

# 95 Series Industrial Pressure Regulators

## Introduction

The 95 Series regulator is a compact, large-capacity, self-operated pressure regulator (see Figures 1, 2 and 3). The unit is available in 1/4 through 2-inch (DN 15 through 50) sizes and is offered in several different end connection configurations. They are designed to handle pressures up to 600 psig (41,4 bar) and temperatures up to 650°F (343°C).

This product can help solve the toughest pressure control applications. Typical applications include superheated steam, steam tracing, nitrogen purging, boiler feed water, process chemicals, cooling water, test fixtures, wash tanks, sterilizers/autoclaves, fuel lines, pneumatic supply, and many others.

## Features

- **Handwheels**—Allow easy pressure setting changes and are standard on Types 95LD, 95HD, and optional on the 1/2-inch (DN 15) body size of the Types 95L and 95H regulators. Tee-handles are optional on all other Types 95L and 95H body sizes.
- **Versatile**—Can be used with all process media, air, steam, gas, water, liquids (oils and process chemicals), and oxygen.
- **Tight Shutoff With Elastomer Seats**—Metal seats available for high temperatures.
- **Self Operated**—Design maximizes speed of response.
- **Robust**—Up to 600 psig (41,4 bar) inlet pressure.
- **$P_1 = P_2$** —Inlet equals outlet rating in 95H Series up to 600 psig (41,4 bar).
- **Rugged Construction**—Available in a variety of materials including Cast iron, Carbon steel, Stainless steel, Monel, Hastelloy C, Kalrez™ and Fluoroelastomer (FKM) to address the toughest service conditions. Severe service elastomers and corrosion resistant trims are also available - excellent fluid compatibility.
- **Differential Pressure Capability**—Spring-loaded Polytetrafluoroethylene (PTFE) packing and tapped connections permit pressure loading of the Types 95LD and 95HD spring cases.
- **Special Service Capabilities**—Optional materials are available for applications handling sour gases, cryogenics, and superheated steam. NACE construction complies with MR0175.
- **Large Turndown Ratio**—No need for low  $C_v$  trims at low flows.
- **Graphite Gaskets**—For high temperature applications up to 650°F (343°C) (optional).
- **Set Pressures To 400 Psig (27,6 bar)**
- **Multiple End Connection Options**—To match your application.
- **Easy Maintenance**—Seating parts are easily accessible by removing the plug on the bottom of the regulator.

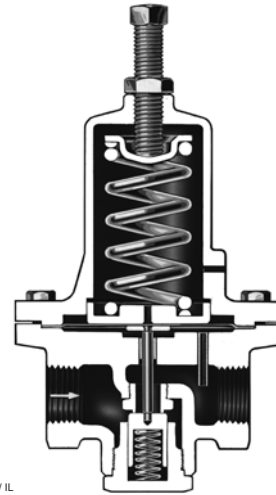


Figure 1. Type 95H Regulator

## Specifications

### Available Configurations

**Type 95L:** Low-pressure regulator for 2 to 30 psig (0,1 to 2,1 bar) outlet pressures

**Type 95H:** High-pressure regulator for 5 to 150 psig (0,3 to 10,3 bar) outlet pressures

**Type 95LD:** Low-pressure differential regulator for 2 to 30 psig (0,1 to 2,1 bar) differential pressures with handwheel and packing box

**Type 95HD:** High-pressure differential regulator for 5 to 150 psig (0,3 to 10,3 bar) differential pressures with handwheel and packing box

**Type 95HP:** High-pressure regulator for 15 to 400 psig (1,0 to 27,6 bar) outlet pressures (soft seated)

**Type 95HT:** High-pressure/high temperature regulator for 15 to 300 psig (1,0 to 20,7 bar) outlet pressures (metal seat) and up to 650°F (343°C)

### Body and Orifice Sizes

**1/4-inch body:** 1/4-inch (6,35 mm) orifice

**1/2-inch (DN 15) body:** 3/8-inch (9,52 mm) orifice

**3/4 and 1-inch (DN 20 and 25) bodies:**

9/16-inch (14,3 mm) orifice

**1-1/2 and 2-inch (DN 40 and 50) bodies:**

1-1/16-inch (27,0 mm) orifice

### End Connection Style

NPT, ANSI flanged; all sizes are fabricated with slip-on flanges and are 14-inches face-to-face (DIN flanged; 356 mm face-to-face), 150 RF, 300 RF, 600 RF, or SWE

### Maximum Cold Working Pressures of Body Size and Material

See Table 3

### Outlet or Differential Pressure Ranges

See Table 5

### Maximum Temperature Ranges of Diaphragm and Seat Materials<sup>(1)(2)</sup>

MATERIAL	TEMPERATURE RANGE
Nitrile (NBR) Neoprene	-40° to 140°F (-40° to 62°C)
Fluoroelastomer (FKM) <sup>(3)</sup>	-40° to 140°F (-40° to 62°C)
Ethylenepropylene (EPDM)	0° to 300°F (-18° to 149°C)
PTFE	-40° to 275°F (-40° to 135°C)
SST	-40° to 400°F (-40° to 204°C)
	-40° to 650°F (-40° to 343°C)

### Spring Case Construction

Vent is a drilled untapped hole (standard).

NPT (optional) See Figure 6

On Types 95HD and 95LD, the NPT tapped vent is standard.

### Maximum Temperature Ranges of Body Materials<sup>(1)(2)</sup>

TYPE	BODY AND SPRING CASE MATERIALS	TEMPERATURE RANGE
95L, 95LD 95H, 95HD	Cast Iron Steel Stainless steel	-40° to 406°F (-40° to 204°C) -20° to 450°F (-29° to 232°C) -40° to 450°F (-40° to 232°C)
95HP	Steel Stainless steel	-20° to 450°F (-29° to 232°C) -40° to 450°F (-40° to 232°C)
95HT	Steel Stainless steel	-20° to 650°F (-29° to 343°C) -40° to 550°F (-40° to 288°C)

### Pressure Setting Adjustment

Adjusting screw (standard), Handwheel/Tee handle (optional) 1/2-inch (DN 15) bodies have a handwheel all other sizes have tee handles.

**Types 95LD and 95HD:** Handwheel for adjustment

### Pressure Registration

Internal

### Typical Regulating Capacities

**Air:** See Tables 9, 10, 11, and 12

**Steam:** See Tables 13, 14, 15, 16, and 17

**Water:** See Tables 19, 20, 21, and 22

1. The pressure/temperature limits in this bulletin, and any applicable standard or code limitation for this regulator should not be exceeded.  
2. Pressures and/or the body end connection may decrease these maximum temperatures.  
3. Fluoroelastomer (FKM) is limited to 200°F (93°C) hot water.

- continued -

**Specifications (continued)**

**Shutoff Classification Per ANSI/FCI 70-3**  
**Metal Seats:** Class IV  
**Elastomer Seats:** Class VI or better  
**PTFE:** Class V

**Flow and Sizing Coefficients**  
See Table 4

**Pressure Connections**  
See Figure 6

**Construction Materials**  
See Table 6

**Common Services and Material Compatibility**  
See Table 7

**Approximate Weight**

**95H Series**  
1/4-inch body: 4 pounds (1,81 kg)  
1/2-inch (DN 15) body: 8 pounds (3,63 kg)  
3/4 and 1-inch (DN 20 and 25) bodies:  
20 pounds (9,07 kg)  
1-1/2 and 2-inch bodies (DN 40 and 50):  
73 pounds (33,1 kg)

**95L Series**  
1/4-inch body: 6 pounds (2,72 kg)  
1/2-inch (DN 15) body: 12 pounds (5,44 kg)  
3/4 and 1-inch (DN 20 and 25) bodies:  
32 pounds (14,5 kg)

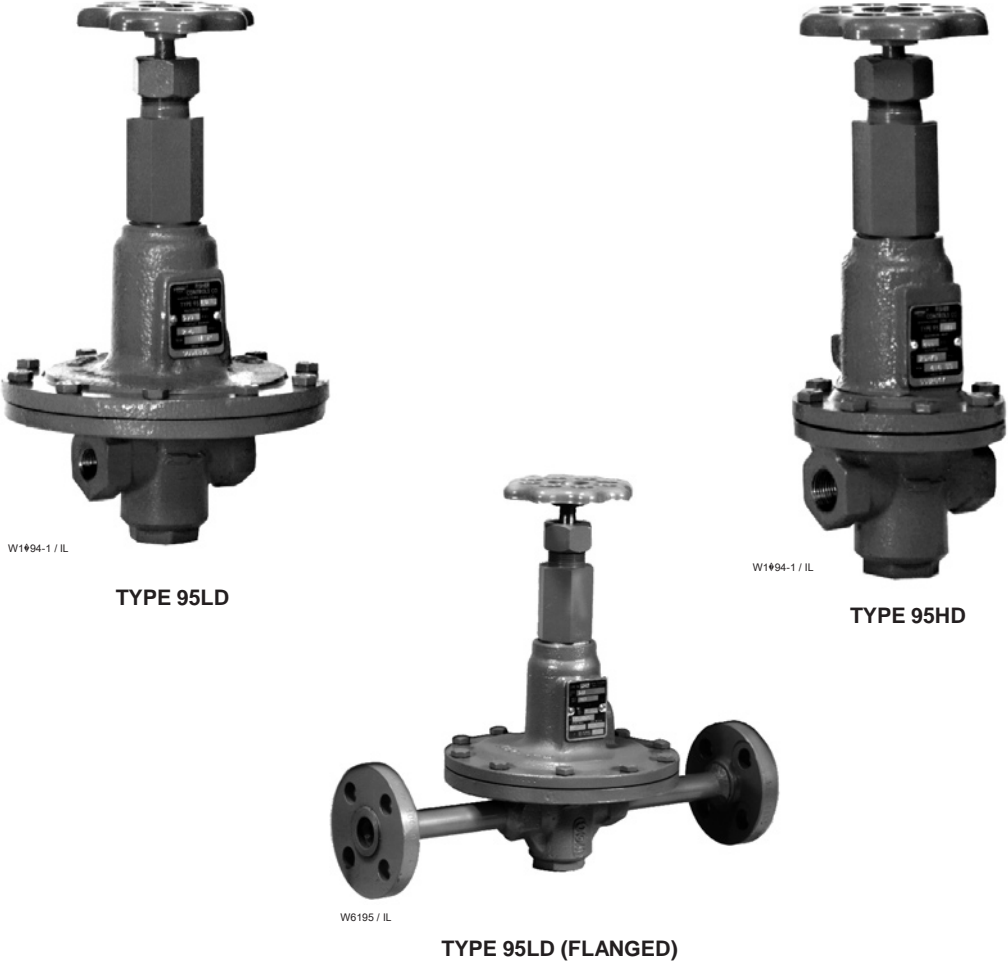


Figure 2. Exterior Views of 95 Series Regulators

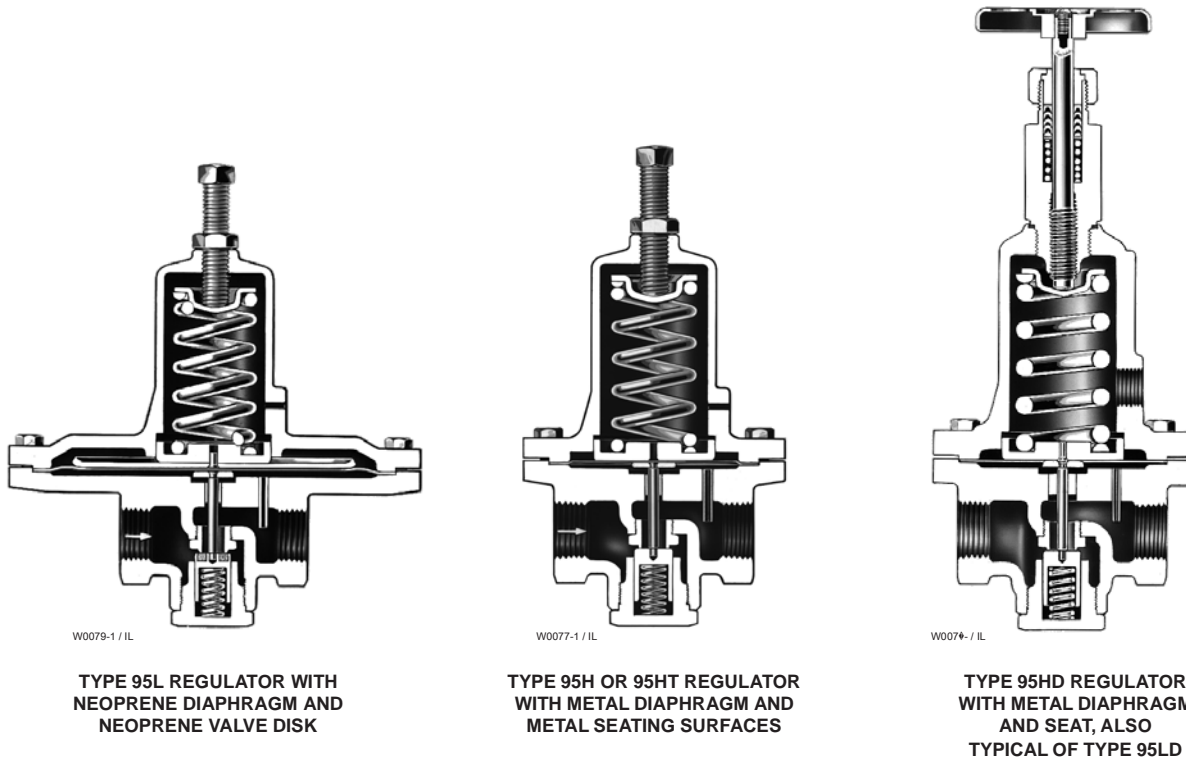


TYPE 95L



TYPE 95H

Figure 2. Exterior Views of 95 Series Regulators (continued)



TYPE 95L REGULATOR WITH NEOPRENE DIAPHRAGM AND NEOPRENE VALVE DISK

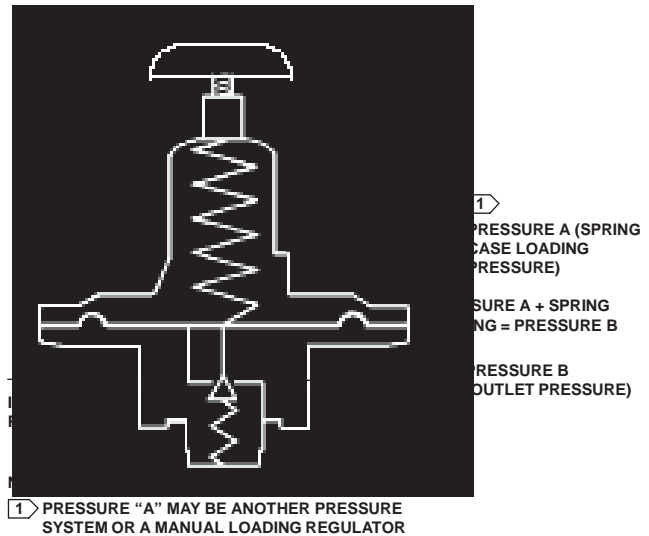
TYPE 95H OR 95HT REGULATOR WITH METAL DIAPHRAGM AND METAL SEATING SURFACES

TYPE 95HD REGULATOR WITH METAL DIAPHRAGM AND SEAT, ALSO TYPICAL OF TYPE 95LD

Figure 3. Sectional Views

## Principle of Operation

The Type 95 (refer to Figure 4) is a direct operated regulator. Downstream pressure is registered internally through the body to the under side of the diaphragm. When the downstream pressure is at or above the set pressure, the disk is held against the seat, and there is no flow through the regulator. When demand increases, downstream pressure drops slightly allowing the spring to extend, moving the stem down and the disk away from the seat. This allows flow through the body to the downstream system. Types 95H, 95L, 95HP, and 95HT use spring force to regulate outlet pressure. Types 95HD and 95LD use spring force to maintain a differential pressure between spring case loading pressure and outlet pressure.



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**Figure 4.** Operational Schematic for Types 95LD and 95HD Regulators

## Capacity Data

The capacity information on the following pages is based on three offset factors, 10, 20 and 40%. Offset, or droop, is deviation from the setpoint of the regulator, and is usually stated in percentage of setpoint value.

For example, refer to the air flow rate curve in Figure 5. The regulator is set for 15 psig (1,0 bar) at the outlet, with 100 psig (6,9 bar) at the inlet and a 300 SCFH (0,04 Nm<sup>3</sup>/h) flow rate. Capacity at 10% offset is read at the intersection of a line projected horizontally to the right from the 13.5 psig (0,9 bar) outlet pressure point and the 100 psig (6,9 bar) inlet curve. The 13.5 psig (0,9 bar) is derived by applying the offset factor of 10% to the regulator setting of 15 psig (1,0 bar). The same method is employed for 20% offset, except the capacity value is read at the 12 psig (0,8 bar) outlet pressure point, 20% less than the 15 psig (1,0 bar) setting.

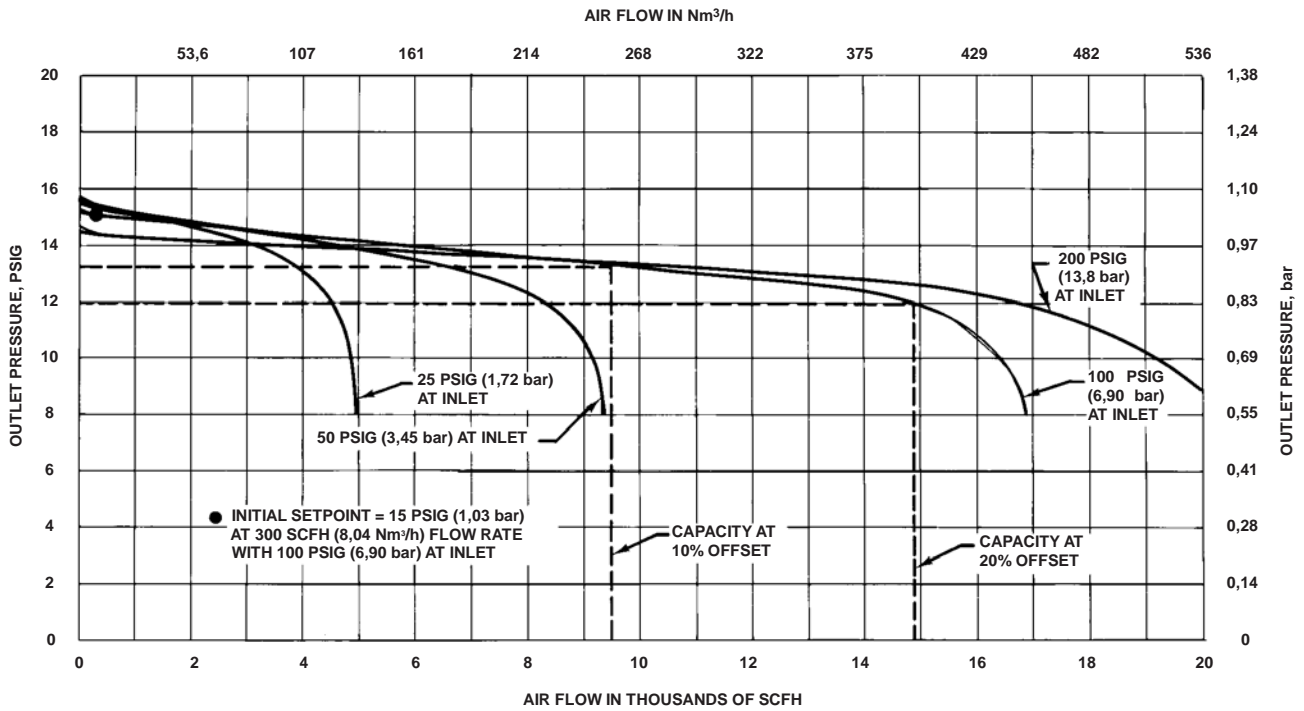
For highest capacity and the most accurate control within a particular type of the 95 Series regulators, use the lowest range spring that can be adjusted to the desired setpoint (see Table 5 for part numbers of appropriate springs for each body size). See Table 1 for sizing example for the Types 95HD and 95LD regulators.

If closer control is necessary, a regulator of larger capacity or different design should be selected, so that the necessary flow can be obtained with a smaller offset factor.

Sometimes it may be necessary to interpolate the capacity table data to determine capacity for outlet settings not given. To maintain accuracy, it is important when interpolating to stay within a spring range if possible. The following is a procedure for interpolating the data to calculate flow:

1. Determine which spring is to be used.
2. Find the two outlet settings ( $P_{2a}$  and  $P_{2b}$ ) that bracket the actual outlet pressure  $P_2$ .
3. For a given body size and inlet pressure, find the capacity  $Q_a$  for  $P_{2a}$  and  $Q_b$  for  $P_{2b}$ .
4. Use the following formula to determine the interpolated capacity ( $Q$ ).

$$\frac{Q_b - Q_a}{P_{2b} - P_{2a}} = \frac{Q_b - Q}{P_{2b} - P_2}$$



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**Figure 5.** Air Flow Performance Curves of a 1-inch (DN 25) Type 95L Regulator

*Example:*

$P_1 = 100$  psig (6,9 bar)  
 1/4-inch Type 95H with 15 to 30 psig  
 (1,0 to 2,07 bar) spring range  
 $P_2 = 20$  psig (1,3 bar)  
 Determine air capacity, Q.

$$\frac{50,9 - 26, \phi}{2,07 - 1,03} = \frac{50,9 - Q}{2,07 - 1,3 \phi}$$

$Q = 34,9 \text{ Nm}^3/\text{h}$

*Solution:*

$Q_a = 1000$  SCFH (26,  $\phi$   $\text{Nm}^3/\text{h}$ )  
 $P_{2a} = 15$  psig (1,03 bar)  
 $Q_b = 1900$  SCFH (50,9  $\text{Nm}^3/\text{h}$ )  
 $P_{2b} = 30$  psig (2,07 bar)

$$\frac{1900 - 1000}{30 - 15} = \frac{1900 - Q}{30 - 20}$$

$Q = 1300$  SCFH

**Note**

**The same interpolation procedure can be used for different inlet pressures.**

An alternative method for interpolating capacities is to back calculate  $C_v$ 's as shown in Table 2.

Contact your nearest Fisher Representative if you should have any questions about selecting the proper regulator.

## Air Capacities

Regulating capacities at selected pressures and outlet pressure flows are given in SCFH (60°F and 14.7 psia) of air at 60°F. To determine the equivalent capacities for other gases, multiply the table capacities by the following appropriate conversion factors: 1.29 for 0.6 specific gravity natural gas, 0.810 for propane, 0.707 for butane, or 1.01 for nitrogen. For gases of other specific gravities, divide by the square root of the appropriate specific gravity.

Then, if capacity is desired in Nm<sup>3</sup>/h at 0°C and 1,01 bar, multiply SCFH by 0.026.

Capacities in Tables 8, 9 and 11, are for regulators using elastomer diaphragms. Depending on regulator construction, a multiplier must be used to convert to capacities for regulators using metal diaphragms.

To determine wide-open flow capacity for relief valve sizing of air at a temperature of 60°F, use the equation for critical pressure drops (absolute outlet pressure equal to one-half or less than one-half the absolute inlet pressure).

$$Q = P_{1(\text{abs})} C_g$$

where,

Q = Gas flow, SCFH (60°F and 14.7 psia)

$P_{1(\text{abs})}$  = Absolute inlet pressure psia (add 14.7 psi to gauge inlet pressure to obtain absolute inlet pressure)

$C_g$  = Wide-open gas sizing coefficient from Table 4

For pressure drops lower than critical (absolute outlet pressure greater than one-half the absolute inlet pressure), use the sizing nomographs in Fisher Catalog 10, or the Fisher Sizing Program.

To obtain capacities in Nm<sup>3</sup>/h at 0°C and 1,01 bar, multiply the capacity determined in SCFH by 0.026.

## Steam Capacities

Capacities in Tables 13, 14, 15, 16, and 17 are in pounds/h of saturated steam. To obtain capacities in kg/h, multiply the capacities given in the table by 0.4535. Capacities have been calculated for stainless steel diaphragms only since steam service exceeds the elastomer diaphragm temperature limits.

To determine wide-open flow capacity for relief valve sizing of steam, use the equation for critical pressure drops (absolute outlet pressure equal to one-half or less than one-half absolute inlet pressure).

$$Q = P_{1(\text{abs})} C_s$$

where,

Q = Steam flow, pounds/h

$P_{1(\text{abs})}$  = Absolute inlet pressure, psia (add 14.7 psi to gauge inlet pressure to obtain absolute inlet pressure)

$C_s$  = Wide-open steam sizing coefficient from Table 4

For pressure drops lower than critical (absolute outlet pressure greater than one-half absolute inlet pressure), use the sizing nomographs in Fisher Catalog 10, or the Fisher Sizing Program.

## Water Capacities

All water capacities in Tables 18, 19, 20, 21 and 22 are in GPM. Capacities in Tables 18, 19 and 21 are for regulators using only elastomer diaphragms. Depending on regulator size, a multiplier, given in these tables, must be used to convert to capacities for regulators using metal diaphragms.

To determine flow capacity for liquid relief valve sizing, refer to Fisher Catalog 10, or the Fisher Sizing Program using the  $C_v$  coefficients given in Table 4. The  $K_m$  values listed in Table 4 can be used to predict choked flow on liquid service.

To convert capacities to m<sup>3</sup>/h, multiply GPM by 0.2271.

# Bulletin 71.1:95

**Table 1. Sizing Types 95HD and 95LD Pressure Regulators**

STEPS	EXAMPLE - PSIG	EXAMPLE - bar
1. Determine service conditions.	$P_1 = 135$ psig, $P_2 = 25$ to 40 psig, Bias = 10 psig Loading pressure = 15 to 30 psig $Q_{max} = 1100$ SCFH air Specific Gravity = 1 Allowable droop/offset = 20% Line size = 1/2-inch	$P_1 = 9,31$ bar, $P_2 = 1,72$ to 2,76 bar, Bias = 0,69 bar Loading pressure = 1,03 to 2,07 bar $Q_{max} = 29,5$ Nm <sup>3</sup> /h air Specific Gravity = 1 Allowable droop/offset = 20% Line size = 12,7 mm
2. Select type number and spring range using Tables 3 and 4.	Since the bias set is 10 psig, select the Type 95LD with a 5 to 15 psig spring range. (The Type 95LD will withstand the pressure for the application, and also has the lightest spring available.)	Since the bias set is 0,69 bar, select the Type 95LD with a 0,34 to 1,03 bar spring range. (The Type 95LD will withstand the pressure for the application, and also has the lightest spring available.)
3. Using the Fisher Sizing Program, calculate $C_g$ from data given in the capacity tables. Use the table inlet pressure closest to the service condition. Also calculate using the table outlet pressure which is closest to the spring bias.	For the purpose of sizing, use the spring setpoint (bias) of 10 psig as outlet pressure, and an inlet pressure of 150 psig. The closest capacity data in Tables 4 and $\phi$ shows the following: $C_1 = 35$ (Table 4) $P_{1table} = 150$ psig $P_{2table} = 10$ psig Droop/offset = 10 psig x 20% = 2 psig $\Delta P_{table} = 150$ psig - (10 psig - 2 psig) = 142 psid $Q = 1400$ SCFH for size 1/2-inch Type 95LD at 20% droop/offset	For the purpose of sizing, use the spring setpoint (bias) of 0,69 bar as outlet pressure, and an inlet pressure of 10,3 bar. The closest capacity data in Tables 4 and $\phi$ shows the following: $C_1 = 35$ (Table 4) $P_{1table} = 10,3$ bar $P_{2table} = 0,69$ bar Droop/offset = 0,69 bar x 20% = 0,14 bar $\Delta P_{table} = 10,3$ bar - (0,69 bar - 0,14 bar) = 9,75 bar d $Q = 37,5$ Nm <sup>3</sup> /h for size DN 15 Type 95LD at 20% droop/offset
4. Use the information in Step 3 to calculate $C_g$ using the Fisher Sizing Program.	$C_g$ calculated = $\phi.5$	$C_g$ calculated = $\phi.5$
5. Calculate flow for application based upon actual conditions and calculated $C_g$ .	$P_1 = 135$ psig $P_{2max} = 40$ psig Droop/offset = 10 psig x 20% = 2 psig $\Delta P_{actual} = 135$ psig - (40 psig - 2 psig) = 97 psid $C_g$ calculated = $\phi.5$ $Q = 124\phi$ SCFH air with droop/offset equal to 20% of spring bias	$P_1 = 9,31$ bar $P_{2max} = 2,76$ bar Droop/offset = 0,69 bar x 20% = 0,14 bar $\Delta P_{actual} = 9,31$ bar - (2,76 bar - 0,14 bar) = 6,69 bar d $C_g$ calculated = $\phi.5$ $Q = 33,4$ Nm <sup>3</sup> /h air with droop/offset equal to 20% of spring bias

## Installation

The 95 Series regulators may be installed in any position, as long as flow will be in the same direction as that indicated by the body arrow. The Types 95H, 95L, 95HT and 95HP regulators should be installed so that their spring case vents are protected from anything that might clog them.

Fisher provides an instruction manual with every regulator shipped. Refer to this for complete installation, operation and maintenance instructions. Included is a complete listing of individual parts and recommended spare parts.

## NACE Standard MR0175 Compliance

Optional materials are available for applications handling sour gases. These constructions comply with the recommendations of National Association of Corrosive Engineers (NACE) MR0175.

The manufacturing processes and materials used by Fisher Controls assure that all products specified for sour gas service comply with the chemical and physical material requirements of NACE standard MR0175.



**Table 2. Back Calculating Sizing Coefficients**

STEPS	EXAMPLE - PSIG	EXAMPLE - bar
1. Determine service conditions.	$P_1 = 25$ psig, $P_2 = 1\phi$ psig, $Q_{max} = 10$ GPM, Medium = Water	$P_1 = 1,72$ bar, $P_2 = 1,24$ bar, Medium = Water, $Q_{max} = 37, \phi$ l/min
2. Select Type number and spring range using Tables 3 and 4.	The Type 95L with a 13 to 30 psig pressure range, will provide the lightest spring for the application.	The Type 95L with a 0,90 to 2,07 bar pressure range, will provide the lightest spring for the application.
3. Because the capacity table for a Type 95L in Table 1 $\phi$ does not provide data for the exact application, choose the values from the table that most closely match the application. A 1-inch (DN 25) Type 95L fits the closest.	$P_{1table} = 30$ psig $P_{2table} = 20$ psig Droop/offset = $20$ psig $\times$ 20% = 4 psig $\Delta P_{table} = 30$ psig - (20 psig - 4 psig) = 14 psid $Q = 13$ GPM $K_m = 0.67$ (See Table 4)	$P_{1table} = 2,07$ bar $P_{2table} = 1,3\phi$ bar Droop/offset = $1,38$ bar $\times$ 20% = 0,28 bar $\Delta P_{table} = 2,07$ bar - (1,3 $\phi$ bar - 0,2 $\phi$ bar) = 0,97 bar d $Q = 49,2$ l/min $K_m = 0.67$ (See Table 4)
4. Use information in Step 3 to calculate $C_v$ using Fisher Sizing Program.	$C_v$ calculated = 3.47	$C_v$ calculated = 3.41
5. Determine flow capacity of Type 95 with actual conditions using $C_v$ calculated from Step 4.	$C_v = 3.47$ $P_1 = 25$ psig $P_2 = 1\phi$ psig Droop/offset = $18$ psig $\times$ 20% = 3.6 psig $\Delta P_{actual} = 25$ psig - (18 psig - 3.6 psig) = 10.6 psid $Q$ calculated = 11.3 GPM	$C_v = 3.41$ $P_1 = 1,72$ bar $P_2 = 1,24$ bar Droop/offset = $1,24$ bar $\times$ 20% = 0,25 bar $\Delta P_{actual} = 1,72$ bar - (1,24 bar - 0,25 bar) = 0,73 bar d $Q$ calculated = 42, $\phi$ l/min

**Table 3. Maximum Cold Working Pressures of Body Size and Material<sup>(1)(2)</sup>**

TYPE	BODY SIZE	BODY AND SPRING CASE MATERIALS	MAXIMUM INLET PRESSURE, PSIG (bar)	MAXIMUM OUTLET PRESSURE, PSIG (bar)
95L and 95LD	All Sizes	Cast Iron	250 (17,2)	50 (3,4)
		Steel	300 (20,7)	125 ( $\phi$ ,6)
		Stainless steel	300 (20,7)	125 ( $\phi$ ,6)
95H and 95HD	All Sizes	Cast Iron	250 (17,2)	250 (17,2)
		Steel	300 (20,7)	300 (20,7)
		Stainless steel	300 (20,7)	300 (20,7)
95HP	All Sizes	Steel	600 (41,4)	600 (41,4)
		Stainless steel	600 (41,4)	550 (37,9)
95HT	1/4 to 1-inch (DN 25)	Steel	600 (41,4)	600 (41,4)
		Stainless steel	600 (41,4)	550 (37,9)
	1-1/2, 2-inch (DN 40, 50)	Steel	600 (41,4)	450 (31,0)
		Stainless steel	600 (41,4)	450 (31,0)

1. The pressure/temperature limits in this bulletin, and any applicable standard or code limitation should not be exceeded.  
2. Temperature and/or the body end connection may decrease these maximum pressures.

**Table 4. Flow and Sizing Coefficients for all 95 Series Regulators**

BODY SIZE, INCHES (DN)	WIDE-OPEN COEFFICIENTS (FOR RELIEF SIZING)			$C_1$	$K_m$	IEC SIZING COEFFICIENTS		
	$C_v$	$C_g$	$C_s$			$X_T$	$F_D$	$F_L$
1/4	0. $\phi$	2 $\phi$	1.40	35	0. $\phi$ 2	0.775	0.5 $\phi$	0.91
1/2 (15)	1.9	67	3.35	35	0.71	0.775	0.5 $\phi$	0. $\phi$ 4
3/4, 1 (20, 25)	4.4	156	7. $\phi$ 0	35	0.67	0.775	0.44	0. $\phi$ 2
1-1/2, 2 (40, 50)	12.5	475	23.75	3 $\phi$	0. $\phi$ 2	0.913	0.37	0.91

# Bulletin 71.1:95

**Table 5. Body Sizes and Pressure Ranges**

TYPE	BODY SIZE, INCHES (DN)	OUTLET OR DIFFERENTIAL PRESSURE RANGE <sup>(1)</sup>		SPRING WIRE DIAMETER		SPRING PART NUMBER AND COLOR
		Psig	bar	Inches	mm	
95L and 95LD	1/4	2 to 6 5 to 15 13 to 30	0,1 to 0,4 0,3 to 1,0 0,9 to 2,1	0.14 $\phi$ 0.172 0.207	3,76 4,37 5,26	1E392527022 Yellow 1E392627012 Green 1E392727142 Red
	1/2 (15)	2 to 6 5 to 15 13 to 30	0,1 to 0,4 0,3 to 1,0 0,9 to 2,1	0.207 0.234 0.2 $\phi$ 1	5,26 5,94 7,14	1E395627022 Yellow 1D745527142 Green 1E395727192 Red
	3/4, 1 (20, 25)	2 to 6 5 to 15 13 to 30	0,1 to 0,4 0,3 to 1,0 0,9 to 2,1	0.306 0.343 0.406	7,77 $\phi$ ,71 10,3	1E398927022 Yellow 1E399027142 Green 1E399127162 Red
95H and 95HD	1/4	15 to 30 25 to 75 70 to 150	1,0 to 2,1 1,7 to 5,2 4, $\phi$ to 10,3	0.14 $\phi$ 0.172 0.207	3,76 4,37 5,26	1E392527022 Yellow 1E392627012 Green 1E392727142 Red
	1/2 (15)	15 to 30 25 to 75 70 to 150	1,0 to 2,1 1,7 to 5,2 4, $\phi$ to 10,3	0.207 0.234 0.2 $\phi$ 1	5,26 5,94 7,14	1E395627022 Yellow 1D745527142 Green 1E395727192 Red
	3/4, 1 (20, 25)	15 to 30 25 to 75 70 to 150	1,0 to 2,1 1,7 to 5,1 4, $\phi$ to 10,3	0.306 0.343 0.406	7,77 $\phi$ ,71 10,3	1E398927022 Yellow 1E399027142 Green 1E399127162 Red
	1-1/2, 2 (40, 50)	5 to $\phi$ 0 60 to 120 100 to 140 120 to 150	0,3 to 5,5 4,1 to $\phi$ ,3 6,9 to 9,7 $\phi$ ,3 to 10,3	0.531 0.562 0.593 0.656	13,5 14,3 15,1 16,7	1E795327082 Light Blue 1E795427082 Light Gray 1E793327082 Yellow 1P788827082 Black
95HT	1/4	15 to 100 $\phi$ 0 to 300	1,0 to 6,9 5,5 to 20,7	0.192 0.2 $\phi$ 2	4, $\phi$ $\phi$ 7,16	14B9941X012 None 14B9940X012 None
	1/2 (15)	15 to 100 $\phi$ 0 to 300	1,0 to 6,9 5,5 to 20,7	0.2 $\phi$ 2 0.375	7,16 9,52	14B9943X012 None 14B9942X012 None
	3/4, 1 (20, 25)	15 to 100 $\phi$ 0 to 300	1,0 to 6,9 5,5 to 20,7	0.437 0.562	11,1 14,3	14B9944X012 None 14B9945X012 None
	1-1/2, 2 (40, 50)	15 to 100 60 to 260	1,0 to 6,9 4,1 to 17,9	0.625 0. $\phi$ 12	15,9 20,6	17B1704X012 None 17B1705X012 None
95HP	1/4	15 to 100 $\phi$ 0 to 400	1,0 to 6,9 5,5 to 27,6	0.192 0.2 $\phi$ 2	4, $\phi$ $\phi$ 7,16	14B9941X012 None 14B9940X012 None
	1/2 (15)	15 to 100 $\phi$ 0 to 400	1,0 to 6,9 5,5 to 27,6	0.2 $\phi$ 2 0.375	7,16 9,52	14B9943X012 None 14B9942X012 None
	3/4, 1 (20, 25)	15 to 100 $\phi$ 0 to 400	1,0 to 6,9 5,5 to 27,6	0.437 0.562	11,1 14,3	14B9944X012 None 14B9945X012 None
	1-1/2, 2 (40, 50)	15 to 100 60 to 300	1,0 to 6,9 4,1 to 20,7	0.625 0. $\phi$ 12	15,9 20,6	17B1704X012 None 17B1705X012 None

1. For Types 95LD and 95HD regulators, the pressure ranges indicate the differential pressure that can be obtained with the indicated spring. The differential pressure (spring setting) is added to the spring case loading pressure to determine the actual outlet pressure.

**Table 6. Construction Materials**

MAIN VALVE MATERIALS			
Body	Spring Case	Regulator Spring	Valve Spring
Cast Iron WCC/WCB Steel 316 Stainless steel Hastelloy C Monel	Cast Iron WCC/WCB Steel 316 Stainless steel	Zinc Plated Steel standard Inconel 302 Stainless steel 17-7PH	302 Stainless steel standard Inconel

Trim Materials:

ELASTOMER SEAT		
Part Name	Standard	Optional
Diaphragm	Neoprene or Fluoroelastomer (FKM)	302 Stainless steel Ethylenepropylene (EPDM) Monel Hastelloy C PTFE
Disk	Neoprene or Fluoroelastomer (FKM)	PTFE Nitrile (NBR) Ethylenepropylene (EPDM) Perfluoroelastomer (FFKM)
Disk Holder	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C
Valve Plug Guide	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C
Valve Plug	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C
Orifice	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C
Stem Assembly	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C
Bolting	Grade 5 Steel	B $\phi$ M, B7
METAL SEAT		
Diaphragm	302 Stainless steel	Monel Hastelloy C
Disk	416 Stainless steel	316 Stainless steel Monel Hastelloy C
Disk Holder	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C
Valve Plug	416 Stainless steel	316 Stainless steel Monel Hastelloy C Brass
Valve Plug Guide	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C Brass
Orifice	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C
Stem Assembly	Brass or 416 Stainless steel	316 Stainless steel Monel Hastelloy C
Gaskets	Composition	Graphite
Bolting	Grade 5 Steel	B $\phi$ M, B7

# Bulletin 71.1:95

**Table 7. Compatibility**

CORROSION INFORMATION															
Fluid	Material							Fluid	Material						
	Carbon Steel	Cast Iron	302 or 304 Stainless Steel	316 Stainless Steel	416 Stainless Steel	Monel <sup>(1)</sup>	Hastelloy <sup>(2)</sup> C		Carbon Steel	Cast Iron	302 or 304 Stainless Steel	316 Stainless Steel	416 Stainless Steel	Monel <sup>(1)</sup>	Hastelloy <sup>(2)</sup> C
Acetic Acid, Air Free	C	C	B	B	C	B	A	Hydrochloric Acid (Air free)	C A	C	C	C	C	C	B
Acetic Acid Vapors	C	C	A	A	C	B	A	Hydrogen	I.L.	A	A	A	A	A	A
Acetone	A	A	A	A	A	A	A	Hydrogen Peroxide	C	A	A	A	B	A	B
Acetylene	A	A	A	A	A	A	A	Hydrogen Sulfide, Liquid	A	C	A	A	C	C	A
Alcohols	A	A	A	A	A	A	A	Magnesium Hydroxide	A	A	A	A	A	A	A
Aluminum Sulfate	C	C	A	A	C	B	A	Methanol	A	A	A	A	A	A	A
Ammonia	A	A	A	A	A	A	A	Methyl Ethyl Ketone	A	A	A	A	A	A	A
Ammonium Chloride	C	C	B	B	C	B	A	Natural Gas	A	A	A	A	A	A	A
Ammonium Nitrate	A	C	A	A	C	C	A	Nitric Acid	C	C	A	B	C	C	B
Ammonium Sulfate	C	C	B	A	C	A	A	Petroleum Oils, Refined	A	A	A	A	A	A	A
Ammonium Sulfite	C	C	A	A	B	C	A	Phosphoric Acid (Air Free)	C	C	A	A	C	B	A
Beer	B	B	A	A	B	A	A	Phosphoric Acid Vapors	C	C	B	B	C	C	I.L.
Benzene (Benzol)	A	A	A	A	A	A	A	Potassium Chloride	B	B	A	A	C	B	A
Benzoic Acid	C	C	A	A	A	A	A	Potassium Hydroxide	B	B	A	A	B	A	A
Boric Acid	C	C	A	A	B	A	A	Propane	A	A	A	A	A	A	A
Butane	A	A	A	A	A	A	A	Silver Nitrate	C	C	A	A	B	C	A
Calcium Chloride (Alkaline)	B	B	C	B	C	A	A	Sodium Acetate	A	A	B	A	A	A	A
Carbon Dioxide, Dry	A	A	A	A	A	A	A	Sodium Carbonate	A	A	A	A	B	A	A
Carbon Dioxide, Wet	C	C	A	A	A	A	A	Sodium Chloride	C	C	B	B	B	A	A
Carbon Disulfide	A	A	A	A	B	B	A	Sodium Chromate	A	A	A	A	A	A	A
Carbon Tetrachloride	B	B	B	B	C	A	A	Sodium Hydroxide	A	A	A	A	B	A	A
Carbonic Acid	C	C	B	B	A	A	A	Stearic Acid	A	C	A	A	B	B	A
Chlorine Gas, Dry	A	A	B	B	C	A	A	Sulfur	A	A	A	A	A	A	A
Chlorine Gas, Wet	C	C	C	C	C	C	B	Sulfur Dioxide, Dry	A	A	A	A	B	A	A
Chlorine, Liquid	C	C	C	C	C	C	A	Sulfur Trioxide, Dry	A	A	A	A	B	A	A
Chromic Acid	C	C	C	B	C	A	A	Sulfuric Acid (Aerated)	C	C	C	C	C	C	A
Citric Acid	I.L.	C	B	A	B	B	A	Sulfuric Acid (Air Free)	C	C	C	C	C	B	A
Coke Oven Gas	A	A	A	A	A	B	A	Sulfurous Acid	C	C	B	B	C	C	A
Copper Sulfate	C	C	B	B	A	C	A	Trichloroethylene	B	B	B	A	B	A	A
Ether	B	B	A	A	A	A	A	Water, Boiler Feed	B	C	A	A	B	A	A
Ethyl Chloride	C	C	A	A	B	A	A A	Water, Distilled	A	A	A	A	B	A	A
Ethylene	A	A	A	A	A	A	I.L.	Water, Sea	B	B	B	B	C	A	A
Ethylene Glycol	A	A	A	A	A	A	A	Zinc Chloride	C	C	C	C	C	C	A
Formaldehyde	B	B	A	A	A	A	A	Zinc Sulfate	C	C	A	A	B	A	A
Formic Acid	I.L.	C	B	B	C	A	A								
Freon, Wet	B	B	B	A	I.L.	A	A								
Freon, Dry	B	B	A	A	I.L.	A	A								
Gasoline, Refined	A	A	A	A	A	A	A	----	----	----	----	----	----	----	----
Glucose	A	A	A	A	A	A	A								
Hydrochloric Acid (Aerated)	C	C	C	C	C	C	B								

1. Mark owned by International Nickel Co.  
 2. Mark owned by Stelite Div., Cabot Corp.  
 A—Recommended  
 B—Minor to moderate effect. Proceed with caution.  
 C—Unsatisfactory  
 I.L.—Information lacking

- continued -

Table 7. Compatibility (continued)

FLUID INFORMATION									
Fluid	Neoprene	Nitrile (NBR)	Viton® Fluoroelastomer (FKM) <sup>(3)</sup>	EPDM	Fluid	Neoprene	Nitrile (NBR)	Viton® Fluoroelastomer (FKM) <sup>(3)</sup>	EPDM
Acetic Acid (30%)	C	B	B	A	Freon 22	A+	C	C	A
Acetone	B	C	C	A	Freon 114	A B	A	B	A
Alcohol, Ethyl	A	A	B	A	Gasoline	A A	A+	A	C
Alcohol, Methyl	A+	A	C	A	Hydrogen Gas	B C	A	A	A
Ammonia, Anhydrous	A B	C	C	A	Hydrogen Sulfide (Dry)	A A	C	C	A
Ammonia, Gas, (Hot)	C	C	C	B	Hydrogen Sulfide (Wet)	B C	C	C	A
Benzene	A B	C	A	C	Jet Fuel (JP-4)	A B	A	A	I.L.
Brine (Calcium Chloride)	A B	A	B	A	Natural Gas	A B	A+	A	C C
Butadiene Gas	C	C	B	C	Natural Gas + H <sub>2</sub> S (Sour Gas)	A B	B	C	C C
Butane, Gas Butane, Liquid Carbon	C	A+	A	C	Nitric Acid (10%)	C	C	A	A C
Tetrachloride	C	A	A	C	Nitric Acid (50 to 100%)	A C	C	A	C A
Chlorine, Dry	C	C	A	C	Nitrogen		A	A	A B
Chlorine, Wet	C	C	A	C	Oil (Fuel)		A+	A	B A
Coke Oven Gas	A B	C	A	C	Propane		A	A	A
Ethyl Acetate	A+	B	A+	C	Sea Water		A	A	
Ethylene Glycol		C	C	B	Sulfur Dioxide		C	A	
Freon 11		A	A	A	Sulfuric Acid (to 50%)		C	A	
Freon 12		A	A+	C	Sulfuric Acid (50 to 100%)		C	A	
		A	B	B	Water (Ambient)		A	A	
					Water at 200°F (93°C)		B	B	

3. Mark owned by DuPont Co.  
A+ —Best possible selection  
A—Recommended  
B—Minor to moderate effect. Proceed with caution.  
C—Unsatisfactory  
I.L.—Information lacking

Table 8. Air SCFH (Nm<sup>3</sup>/h) Capacities<sup>(1)</sup> for 1/4 through 1-Inch (DN 25) Types 95L and 95LD Regulators with Elastomer Diaphragm

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)							
	Outlet Setting, Psig (bar)	Inlet	1/4		1/2 (15)		3/4 (20)		1 (25)	
			Offset		Offset		Offset		Offset	
		Psig (bar)	10%	20%	10%	20%	10%	20%	10%	20%
2 to 6 (0,1 to 0,4)	2 (0,1)	10 (0,69)	150 (4,02)	200 (7,50)	300 (0,04)	400 (10,7)	600 (10,2)	1200 (32,2)	000 (21,4)	1400 (37,5)
		20 (1,30)	200 (5,36)	300 (0,04)	350 (9,30)	500 (13,4)	050 (22,0)	1700 (45,6)	1000 (26,0)	2000 (53,6)
		30 (2,07)	250 (6,70)	300 (10,2)	350 (9,30)	530 (14,2)	1100 (29,5)	2200 (59,0)	1300 (34,0)	2600 (69,7)
		50 (3,45)	250 (6,70)	300 (10,2)	350 (9,30)	530 (14,2)	1500 (40,2)	2900 (77,7)	1700 (45,6)	3400 (91,1)
		75 (5,17)	250 (6,70)	300 (10,2)	350 (9,30)	530 (14,2)	2100 (56,3)	3000 (102)	2500 (67,0)	4500 (121)
		100 (6,90)	250 (6,70)	300 (10,2)	350 (9,30)	530 (14,2)	2500 (67,0)	4200 (113)	3000 (0,4)	5000 (134)
		150 (10,3)	200 (7,50)	400 (10,7)	300 (10,2)	550 (14,7)	2500 (67,0)	4600 (123)	3000 (0,4)	5400 (145)
		200 (13,0)	200 (7,50)	400 (10,7)	400 (10,7)	550 (14,7)	2500 (67,0)	4700 (126)	3000 (0,4)	5600 (150)
	250 (17,2)	330 (0,04)	430 (11,5)	450 (12,1)	600 (16,1)	2500 (67,0)	4700 (126)	3000 (0,4)	5600 (150)	
	5 (0,3)	10 (0,69)	200 (5,36)	300 (10,2)	400 (10,7)	600 (16,1)	1100 (29,5)	1700 (45,6)	1300 (34,0)	2000 (53,6)
		20 (1,30)	300 (0,04)	530 (14,2)	500 (13,4)	750 (20,1)	1900 (50,9)	3400 (91,1)	2200 (59,0)	4000 (107)
		30 (2,07)	400 (10,7)	600 (16,1)	550 (14,7)	050 (22,0)	2300 (61,6)	4200 (113)	2000 (75,0)	5000 (134)
		50 (3,45)	450 (12,1)	600 (16,1)	600 (16,1)	050 (22,0)	3500 (93,0)	5500 (147)	4200 (113)	6500 (174)
		75 (5,17)	450 (12,1)	630 (16,9)	650 (17,4)	900 (24,1)	3000 (102)	6000 (102)	4500 (121)	0000 (214)
100 (6,90)		500 (13,4)	630 (16,9)	700 (10,0)	900 (24,1)	4200 (113)	7200 (193)	5000 (134)	0500 (220)	
150 (10,3)	500 (13,4)	630 (16,9)	700 (10,0)	900 (24,1)	4200 (113)	7600 (204)	5000 (134)	9000 (241)		
200 (13,0)	500 (13,4)	630 (16,9)	700 (10,0)	900 (24,1)	4200 (113)	0300 (222)	5000 (134)	9000 (263)		
250 (17,2)	500 (13,4)	630 (16,9)	700 (10,0)	900 (24,1)	4200 (113)	0300 (222)	5000 (134)	10 000 (260)		

1. To obtain capacities for regulators using metal diaphragms, multiply the table values by 0.0.

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# Bulletin 71.1:95

**Table 8. Air SCFH (Nm<sup>3</sup>/h) Capacities<sup>(1)</sup> for 1/4 through 1-Inch (DN 25) Types 95L and 95LD Regulators with Elastomer Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)							
	Outlet Setting, Psig (bar)	Inlet	1/4		1/2 (15)		3/4 (20)		1 (25)	
			Offset		Offset		Offset		Offset	
		Psig (bar)	10%	20%	10%	20%	10%	20%	10%	20%
5 to 15 (0,3 to 1,0)	10 (0,7)	20 (1,3 $\phi$ )	500 (13,4)	6 $\phi$ 0 (1 $\phi$ ,2)	750 (20,1)	1100 (29,5)	1700 (45,6)	2500 (67,0)	2000 (53,6)	3000 ( $\phi$ 0,4)
		30 (2,07)	600 (16,1)	$\phi$ 50 (22, $\phi$ )	900 (24,1)	1200 (32,2)	2100 (56,3)	4200 (113)	2500 (67,0)	5000 (134)
		50 (3,45)	750 (20,1)	930 (24,9)	1000 (26, $\phi$ )	1400 (37,5)	2 $\phi$ 00 (75,0)	5300 (142)	3300 ( $\phi$ $\phi$ ,4)	6300 (169)
		75 (5,17)	750 (20,1)	930 (24,9)	1000 (26, $\phi$ )	1400 (37,5)	4700 (126)	$\phi$ 500 (22 $\phi$ )	5500 (147)	10 000 (26 $\phi$ )
		100 (6,90)	750 (20,1)	1000 (26, $\phi$ )	1000 (26, $\phi$ )	1400 (37,5)	6400 (172)	9300 (249)	7500 (201)	11 000 (295)
		150 (10,3)	750 (20,1)	1000 (26, $\phi$ )	1000 (26, $\phi$ )	1400 (37,5)	7700 (206)	12 000 (322)	9000 (241)	14 000 (375)
		200 (13, $\phi$ )	750 (20,1)	1000 (26, $\phi$ )	1000 (26, $\phi$ )	1400 (37,5)	$\phi$ 500 (22 $\phi$ )	13 000 (34 $\phi$ )	10 000 (26 $\phi$ )	15 000 (402)
	250 (17,2)	750 (20,1)	1000 (26, $\phi$ )	1000 (26, $\phi$ )	1400 (37,5)	$\phi$ 500 (22 $\phi$ )	13 000 (34 $\phi$ )	10 000 (26 $\phi$ )	15 000 (402)	
	15 (1,0)	20 (1,3 $\phi$ )	450 (12,1)	700 (1 $\phi$ , $\phi$ )	$\phi$ 00 (21,4)	1200 (32,2)	1900 (50,9)	2700 (72,4)	2200 (59,0)	3200 ( $\phi$ 5, $\phi$ )
		30 (2,07)	700 (1 $\phi$ , $\phi$ )	1000 (26, $\phi$ )	1100 (29,5)	1500 (40,2)	3200 ( $\phi$ 5, $\phi$ )	4500 (121)	3 $\phi$ 00 (102)	5300 (142)
		50 (3,45)	900 (24,1)	1200 (32,2)	1300 (34, $\phi$ )	1600 (42,9)	5100 (137)	7200 (193)	6000 (161)	$\phi$ 500 (22 $\phi$ )
		75 (5,17)	1000 (26, $\phi$ )	1200 (32,2)	1400 (37,5)	1650 (44,2)	6 $\phi$ 00 (1 $\phi$ ,2)	9300 (249)	$\phi$ 000 (214)	11 000 (295)
		100 (6,90)	1000 (26, $\phi$ )	1300 (34, $\phi$ )	1400 (37,5)	1 $\phi$ 00 (4 $\phi$ ,2)	$\phi$ 500 (22 $\phi$ )	13 000 (34 $\phi$ )	10 000 (26 $\phi$ )	15 000 (402)
		150 (10,3)	1000 (26, $\phi$ )	1300 (34, $\phi$ )	1400 (37,5)	1 $\phi$ 00 (4 $\phi$ ,2)	11 000 (295)	15 000 (402)	13 000 (34 $\phi$ )	1 $\phi$ 000 (4 $\phi$ ,2)
200 (13, $\phi$ )		1000 (26, $\phi$ )	1300 (34, $\phi$ )	1400 (37,5)	1 $\phi$ 00 (4 $\phi$ ,2)	11 000 (295)	15 000 (402)	13 000 (34 $\phi$ )	1 $\phi$ 000 (4 $\phi$ ,2)	
250 (17,2)	1000 (26, $\phi$ )	1300 (34, $\phi$ )	1400 (37,5)	1 $\phi$ 00 (4 $\phi$ ,2)	11 000 (295)	15 000 (402)	13 000 (34 $\phi$ )	1 $\phi$ 000 (4 $\phi$ ,2)		
13 to 30 (0,9 to 2,1)	20 (1,4)	30 (2,07)	550 (14,7)	$\phi$ 50 (22, $\phi$ )	1100 (29,5)	1500 (40,2)	2500 (67,0)	3 $\phi$ 00 (102)	3000 ( $\phi$ 0,4)	4500 (121)
		40 (2,76)	750 (20,1)	1100 (29,5)	1300 (34, $\phi$ )	1700 (45,6)	3 $\phi$ 00 (102)	5500 (147)	4500 (121)	6500 (174)
		50 (3,45)	900 (24,1)	1300 (34, $\phi$ )	1400 (37,5)	1 $\phi$ 00 (4 $\phi$ ,2)	4600 (123)	6 $\phi$ 00 (1 $\phi$ ,2)	5500 (147)	$\phi$ 000 (214)
		75 (5,17)	1100 (29,5)	1500 (40,2)	1500 (40,2)	2000 (53,6)	6 $\phi$ 00 (1 $\phi$ ,2)	9300 (249)	$\phi$ 000 (214)	11 000 (295)
		100 (6,90)	1100 (29,5)	1500 (40,2)	1600 (42,9)	2100 (56,3)	$\phi$ 000 (214)	13 000 (34 $\phi$ )	9500 (255)	15 000 (402)
		150 (10,3)	1100 (29,5)	1500 (40,2)	1600 (42,9)	2100 (56,3)	10 000 (26 $\phi$ )	15 000 (402)	12 000 (322)	1 $\phi$ 000 (4 $\phi$ ,2)
		200 (13, $\phi$ )	1100 (29,5)	1500 (40,2)	1600 (42,9)	2100 (56,3)	13 000 (34 $\phi$ )	17 000 (456)	15 000 (402)	20 000 (536)
	250 (17,2)	1100 (29,5)	1500 (40,2)	1600 (42,9)	2100 (56,3)	13 000 (34 $\phi$ )	17 000 (456)	15 000 (402)	20 000 (536)	
	25 (1,7)	40 (2,76)	900 (24,1)	1200 (32,2)	1600 (42,9)	2400 (64,3)	4200 (113)	5500 (147)	5000 (134)	6500 (174)
		50 (3,45)	1200 (32,2)	1600 (42,9)	1900 (50,9)	2500 (67,0)	5100 (137)	6 $\phi$ 00 (1 $\phi$ ,2)	6000 (161)	$\phi$ 000 (214)
		75 (5,17)	1400 (37,5)	2000 (53,6)	2000 (53,6)	2 $\phi$ 00 (75,0)	7200 (193)	9300 (249)	$\phi$ 500 (22 $\phi$ )	11 000 (295)
		100 (6,90)	1500 (40,2)	2500 (67,0)	2100 (56,3)	3300 ( $\phi$ $\phi$ ,4)	$\phi$ 500 (22 $\phi$ )	13 000 (34 $\phi$ )	10 000 (26 $\phi$ )	15 000 (402)
		150 (10,3)	1600 (42,9)	2500 (67,0)	2200 (59,0)	3300 ( $\phi$ $\phi$ ,4)	10 000 (26 $\phi$ )	17 000 (456)	12 000 (322)	20 000 (536)
		200 (13, $\phi$ )	1600 (42,9)	2500 (67,0)	2200 (59,0)	3300 ( $\phi$ $\phi$ ,4)	13 000 (34 $\phi$ )	21 000 (563)	16 000 (429)	25 000 (670)
		250 (17,2)	1600 (42,9)	2500 (67,0)	2200 (59,0)	3300 ( $\phi$ $\phi$ ,4)	13 000 (34 $\phi$ )	21 000 (563)	16 000 (429)	25 000 (670)
	30 (2,1)	40 (2,76)	900 (24,1)	1200 (32,2)	1 $\phi$ 00 (4 $\phi$ ,2)	2400 (64,3)	3400 (91,1)	5100 (137)	4000 (107)	6000 (161)
		50 (3,45)	1200 (32,2)	1500 (40,2)	2000 (53,6)	2700 (72,4)	4200 (113)	6400 (172)	5000 (134)	7500 (201)
		75 (5,17)	1700 (45,6)	2300 (61,6)	2300 (61,6)	3200 ( $\phi$ 5, $\phi$ )	7100 (190)	9300 (249)	$\phi$ 400 (225)	11 000 (295)
100 (6,90)		1 $\phi$ 00 (4 $\phi$ ,2)	2500 (67,0)	2400 (64,3)	3600 (96,5)	$\phi$ 500 (22 $\phi$ )	13 000 (34 $\phi$ )	10 000 (26 $\phi$ )	15 000 (402)	
150 (10,3)		1900 (50,9)	2500 (67,0)	2500 (67,0)	3600 (96,5)	11 000 (295)	17 000 (456)	13 000 (34 $\phi$ )	20 000 (536)	
200 (13, $\phi$ )		1900 (50,9)	2500 (67,0)	2500 (67,0)	3600 (96,5)	14 000 (375)	22 000 (590)	17 000 (456)	26 000 (697)	
250 (17,2)	1900 (50,9)	2500 (67,0)	2500 (67,0)	3600 (96,5)	14 000 (375)	22 000 (590)	17 000 (456)	26 000 (697)		

1. To obtain capacities for regulators using metal diaphragms, multiply the table values by 0.  $\phi$ .

**Table 9. Air SCFH (Nm<sup>3</sup>/h) Capacities<sup>(1)</sup> for 1/4 through 1/2-Inch (DN 15) Types 95H and 95HD Regulators with Elastomer Diaphragm**

RECOMMENDED OUTLET PRESSURE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZES, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet  Psig (bar)	1/4			1/2 (15)		
			Offset			Offset		
			10%	20%	40%	10%	20%	40%
15 to 30 (1,0 to 2,1)	15 (1,0)	30 (2,07)	6φ0 (1φ,2)	1000 (26,φ)	1300 (34,φ)	900 (24,1)	1400 (37,5)	2200 (59,0)
		40 (2,76)	750 (20,1)	1000 (26,φ)	1200 (32,2)	900 (24,1)	1500 (40,2)	2300 (61,6)
		50 (3,45)	φ40 (22,5)	1200 (32,2)	1300 (34,φ)	900 (24,1)	1500 (40,2)	2200 (59,0)
		75 (5,17)	1100 (29,5)	1500 (40,2)	2000 (53,6)	1200 (32,2)	1φ00 (4φ,2)	2700 (72,4)
		100 (6,90)	1100 (29,5)	1600 (42,9)	2500 (67,0)	1400 (37,5)	2100 (56,3)	2900 (77,7)
		150 (10,3)	1400 (37,5)	2100 (56,3)	2φ00 (75,0)	1φ00 (4φ,2)	2400 (64,3)	3200 (φ5,φ)
		200 (13,φ)	1900 (50,9)	2300 (61,6)	3000 (φ0,4)	2200 (59,0)	2φ00 (75,0)	3600 (96,5)
	250 (17,2)	1700 (45,6)	2400 (64,3)	3200 (φ5,φ)	2100 (56,3)	3100 (φ3,1)	3900 (105)	
	300 (20,7)	2000 (53,6)	2700 (72,4)	3300 (φφ,4)	2700 (72,4)	3300 (φφ,4)	4300 (115)	
	30 (2,1)	40 (2,76)	610 (16,3)	750 (20,1)	1100 (29,5)	1500 (40,2)	2300 (61,6)	3500 (93,φ)
		50 (3,45)	7φ0 (20,9)	960 (25,7)	1300 (34,φ)	1300 (34,φ)	2100 (56,3)	3400 (91,1)
		75 (5,17)	1500 (40,2)	1700 (45,6)	2500 (67,0)	1φ00 (4φ,2)	2φ00 (75,0)	4200 (113)
		100 (6,90)	1600 (42,9)	2500 (67,0)	3000 (φ0,4)	2000 (53,6)	3000 (φ0,4)	4400 (11φ)
		150 (10,3)	2200 (59,0)	3500 (93,φ)	4400 (11φ)	2400 (64,3)	3φ00 (102)	5300 (142)
200 (13,φ)		2φ00 (75,0)	4200 (113)	4φ00 (129)	3100 (φ3,1)	4300 (115)	5φ00 (155)	
250 (17,2)		2φ00 (75,0)	4100 (110)	4900 (131)	3500 (93,φ)	4600 (123)	6300 (169)	
300 (20,7)	3200 (φ5,φ)	4600 (123)	5000 (134)	4000 (107)	4900 (131)	6600 (177)		
25 to 75 (1,7 to 5,2)	50 (3,4)	60 (4,14)	1000 (26,φ)	1300 (34,φ)	1700 (45,6)	1200 (32,2)	2000 (53,6)	3φ00 (102)
		75 (5,17)	1200 (32,2)	1600 (42,9)	2400 (64,3)	1400 (37,5)	2300 (61,6)	3900 (105)
		100 (6,90)	1400 (37,5)	2300 (61,6)	3200 (φ5,φ)	2100 (56,3)	2900 (77,7)	5000 (134)
		150 (10,3)	2100 (56,3)	3300 (φφ,4)	4600 (123)	2500 (67,0)	3700 (99,2)	5700 (153)
		200 (13,φ)	2600 (69,7)	4500 (121)	6000 (161)	3100 (φ3,1)	4600 (123)	6500 (174)
		250 (17,2)	3600 (96,5)	5φ00 (155)	6500 (174)	3100 (φ3,1)	4500 (121)	6900 (1φ5)
		300 (20,7)	4000 (107)	6200 (166)	7000 (1φφ)	3500 (93,φ)	5100 (137)	7300 (196)
	75 (5,2)	100 (6,90)	1600 (42,9)	2400 (64,3)	3000 (φ0,4)	2300 (61,6)	3700 (99,2)	6200 (166)
		125 (φ,62)	2200 (59,0)	3200 (φ5,φ)	3φ00 (102)	2600 (69,7)	4300 (115)	7300 (196)
		150 (10,3)	2500 (67,0)	3900 (105)	4600 (123)	3200 (φ5,φ)	4700 (126)	7700 (206)
		200 (13,φ)	3700 (99,2)	5400 (145)	6000 (161)	3700 (99,2)	5500 (147)	φ500 (22φ)
		250 (17,2)	4900 (131)	6500 (174)	6700 (1φ0)	4000 (107)	6100 (163)	9500 (255)
		300 (20,7)	5100 (137)	7600 (204)	9000 (241)	4700 (126)	7100 (190)	10 000 (26φ)
		70 to 150 (4,φ to 10,3)	100 (6,9)	125 (φ,62)	2000 (53,6)	2φ00 (75,0)	3700 (99,2)	3400 (91,1)
150 (10,3)	2000 (53,6)			3500 (93,φ)	4500 (121)	4000 (107)	6φ00 (1φ2)	11 000 (295)
175 (12,1)	2600 (69,7)			4100 (110)	5300 (142)	4φ00 (129)	7φ00 (209)	12 000 (322)
200 (13,φ)	2φ00 (75,0)			4600 (123)	5900 (15φ)	5200 (139)	φ200 (220)	13 000 (34φ)
250 (17,2)	3300 (φφ,4)			5φ00 (155)	7300 (196)	4300 (115)	φ900 (239)	14 000 (375)
300 (20,7)	4000 (107)			6900 (1φ5)	φ600 (230)	φ000 (214)	11 000 (295)	15 000 (402)
125 (φ,6)	150 (10,3)		2000 (53,6)	3000 (φ0,4)	4200 (113)	5200 (139)	φ200 (220)	11 000 (295)
	175 (12,1)		2φ00 (75,0)	4200 (113)	5100 (137)	5000 (134)	9000 (241)	13 000 (34φ)
	200 (13,φ)		3400 (91,1)	4300 (115)	6000 (161)	5500 (147)	9300 (249)	14 000 (375)
	225 (15,5)		3600 (96,5)	5600 (150)	6600 (177)	6φ00 (1φ2)	11 000 (295)	16 000 (429)
	250 (17,2)		3φ00 (102)	6200 (166)	7300 (196)	6900 (1φ5)	13 000 (34φ)	17 000 (456)
	300 (20,7)		4600 (123)	7200 (193)	φ700 (233)	7000 (1φφ)	13 000 (34φ)	19 000 (509)
150 (10,3)	175 (12,1)		2500 (67,0)	3φ00 (102)	4900 (131)	5600 (150)	9500 (255)	12 000 (322)
	200 (13,φ)		3000 (φ0,4)	4300 (115)	5700 (153)	6500 (174)	11 000 (295)	14 000 (375)
	225 (15,5)	3300 (φφ,4)	5400 (145)	6600 (177)	7100 (190)	12 000 (322)	16 000 (429)	
	250 (17,2)	4000 (107)	6300 (169)	7300 (196)	9000 (241)	14 000 (375)	1φ 000 (4φ2)	
	300 (20,7)	5400 (145)	7600 (204)	φ400 (225)	φ700 (233)	15 000 (402)	20 000 (536)	

1. To obtain capacities for regulators using metal diaphragms, multiply the table values by 0.6.

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# Bulletin 71.1:95

**Table 9. Air SCFH (Nm<sup>3</sup>/h) Capacities<sup>(1)</sup> for 3/4 through 1-Inch (DN 20 through 25) Types 95H and 95HD Regulators with Elastomer Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZES, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 30 (1,0 to 2,1)	15 (1,0)	30 (2,07)	2200 (59,0)	3100 (φ3,1)	4900 (131)	2200 (59,0)	3300 (φφ,4)	5400 (145)
		40 (2,76)	2700 (72,4)	3φ00 (102)	6200 (166)	2600 (69,7)	4200 (113)	6500 (174)
		50 (3,45)	2900 (77,7)	4300 (115)	6φ00 (1φ2)	3400 (91,1)	5400 (145)	φ200 (220)
		75 (5,17)	3φ00 (102)	5500 (147)	φ400 (225)	4φ00 (129)	7000 (1φφ)	11 000 (295)
		100 (6,90)	4000 (107)	6000 (161)	9000 (241)	5400 (145)	φ000 (214)	12 000 (322)
		150 (10,3)	5000 (134)	7000 (1φφ)	10 000 (26φ)	7000 (1φφ)	10 000 (26φ)	15 000 (402)
		200 (13,φ)	6000 (161)	φ000 (214)	11 000 (295)	φ700 (233)	11 700 (314)	16 000 (429)
	250 (17,2)	6φ00 (1φ2)	φ700 (233)	11 000 (295)	φ500 (22φ)	12 000 (322)	17 000 (456)	
	300 (20,7)	7400 (19φ)	9600 (257)	12 000 (322)	10 000 (26φ)	14 000 (375)	1φ 000 (4φ2)	
	30 (2,1)	40 (2,76)	2900 (77,7)	4500 (121)	6200 (166)	3200 (φ5,φ)	5200 (139)	6600 (177)
		50 (3,45)	4000 (107)	6000 (161)	7φ00 (209)	4000 (107)	6600 (177)	φ300 (222)
		75 (5,17)	5700 (153)	φ500 (22φ)	12 000 (322)	5400 (145)	9300 (249)	12 000 (322)
		100 (6,90)	6300 (169)	9φ00 (263)	14 000 (375)	7400 (19φ)	11 000 (295)	16 000 (429)
		150 (10,3)	7700 (206)	12 000 (322)	16 000 (429)	10 000 (26φ)	15 000 (402)	22 000 (590)
200 (13,φ)		9200 (247)	12 000 (322)	17 000 (456)	12 000 (322)	1φ 000 (4φ2)	26 000 (697)	
250 (17,2)		9000 (241)	13 000 (34φ)	1φ 000 (4φ2)	14 000 (375)	20 000 (536)	27 000 (724)	
300 (20,7)	10 000 (26φ)	14 000 (375)	1φ 000 (509)	15 000 (402)	21 000 (563)	2φ 000 (750)		
25 to 75 (1,7 to 5,2)	50 (3,4)	60 (4,14)	4000 (107)	6700 (1φ0)	9000 (241)	4400 (11φ)	7200 (193)	9200 (247)
		75 (5,17)	6000 (161)	φ600 (230)	12 000 (322)	6300 (169)	9600 (257)	12 000 (322)
		100 (6,90)	7400 (19φ)	11 000 (295)	15 000 (402)	7000 (1φφ)	13 000 (34φ)	16 000 (429)
		150 (10,3)	φ300 (222)	13 000 (34φ)	21 000 (563)	16 000 (429)	1φ 000 (4φ2)	24 000 (643)
		200 (13,φ)	11 000 (295)	17 000 (456)	24 000 (643)	15 000 (402)	24 000 (643)	31 000 (φ31)
		250 (17,2)	12 000 (322)	1φ 000 (4φ2)	25 000 (670)	17 000 (456)	26 000 (697)	36 000 (965)
		300 (20,7)	12 000 (322)	1φ 000 (4φ2)	26 000 (697)	19 000 (509)	27 000 (724)	3φ 000 (101φ)
	75 (5,2)	100 (6,90)	φ000 (214)	12 000 (322)	15 000 (402)	φ700 (233)	13 000 (34φ)	15 000 (402)
		125 (φ,62)	11 000 (295)	16 000 (429)	19 000 (509)	13 000 (34φ)	17 000 (456)	20 000 (536)
		150 (10,3)	12 000 (322)	1φ 000 (4φ2)	22 000 (590)	13 000 (34φ)	21 000 (563)	25 000 (670)
		200 (13,φ)	14 000 (375)	21 000 (563)	24 000 (643)	17 000 (456)	2φ 000 (750)	32 000 (φ5φ)
		250 (17,2)	16 000 (429)	24 000 (643)	26 000 (697)	22 000 (590)	33 000 (φφ4)	3φ 000 (101φ)
		300 (20,7)	16 000 (429)	25 000 (670)	2φ 000 (750)	23 000 (616)	35 000 (93φ)	45 000 (1206)
		70 to 150 (4,φ to 10,3)	100 (6,9)	125 (φ,62)	φ500 (22φ)	14 000 (375)	1φ 000 (4φ2)	11 000 (295)
150 (10,3)	12 000 (322)			1φ 000 (4φ2)	22 000 (590)	14 000 (375)	20 000 (536)	23 000 (616)
175 (12,1)	13 000 (34φ)			21 000 (563)	26 000 (697)	16 000 (429)	25 000 (670)	2φ 000 (750)
200 (13,φ)	15 000 (402)			23 000 (616)	30 000 (φ04)	16 000 (429)	27 000 (724)	32 000 (φ5φ)
250 (17,2)	15 000 (402)			25 000 (670)	37 000 (992)	21 000 (563)	34 000 (911)	39 000 (1045)
300 (20,7)	19 000 (509)			29 000 (777)	41 000 (1099)	26 000 (697)	3φ 000 (101φ)	46 000 (1233)
125 (φ,6)	150 (10,3)		12 000 (322)	1φ 000 (4φ2)	21 000 (563)	13 000 (34φ)	20 000 (536)	23 000 (616)
	175 (12,1)		13 000 (34φ)	21 000 (563)	25 000 (670)	15 000 (402)	23 000 (616)	27 000 (724)
	200 (13,φ)		16 000 (429)	25 000 (670)	29 000 (777)	17 000 (456)	2φ 000 (750)	31 000 (φ31)
	225 (15,5)		17 000 (456)	2φ 000 (750)	33 000 (φφ4)	19 000 (509)	30 000 (φ04)	35 000 (93φ)
	250 (17,2)		1φ 000 (4φ2)	29 000 (777)	37 000 (992)	20 000 (536)	34 000 (911)	39 000 (1045)
300 (20,7)	21 000 (563)		32 000 (φ5φ)	45 000 (1206)	26 000 (697)	41 000 (1099)	46 000 (1233)	
150 (10,3)	175 (12,1)		14 000 (375)	20 000 (536)	29 000 (777)	16 000 (429)	22 000 (590)	26 000 (697)
	200 (13,φ)		16 000 (429)	24 000 (643)	29 000 (777)	20 000 (536)	26 000 (697)	30 000 (φ04)
	225 (15,5)	20 000 (536)	29 000 (777)	33 000 (φφ4)	22 000 (590)	30 000 (φ04)	35 000 (93φ)	
	250 (17,2)	20 000 (536)	30 000 (φ04)	37 000 (992)	26 000 (697)	35 000 (93φ)	39 000 (1045)	
	300 (20,7)	23 000 (616)	37 000 (992)	45 000 (1206)	31 000 (φ31)	44 000 (1179)	46 000 (1233)	

1. To obtain capacities for regulators using metal diaphragms, multiply the table values by 0.6.



**Table 10. Air SCFH (Nm<sup>3</sup>/h) Capacities for 1-1/2 through 2-Inch (DN 40 through 50) Types 95H and 95HD Regulators with Either Elastomer or Stainless Steel Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1-1/2 (40)			2 (50)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
5 to $\phi$ 0 (0,3 to 5,5)	5 (0,3)	10 (0,69)	950 (25,5)	1000 (26, $\phi$ )	1500 (40,2)	1000 (26, $\phi$ )	1100 (29,5)	1500 (40,2)
		20 (1,3 $\phi$ )	2100 (56,3)	2500 (67,0)	4300 (115)	1 $\phi$ 00 (4 $\phi$ ,2)	2000 (53,6)	2600 (69,7)
		30 (2,07)	2500 (67,0)	3000 ( $\phi$ 0,4)	5000 (134)	3400 (91,1)	4600 (123)	7300 (196)
		50 (3,45)	3500 (93, $\phi$ )	4000 (107)	6000 (161)	4000 (107)	5500 (147)	9000 (241)
		75 (5,17)	5000 (134)	6000 (161)	$\phi$ 000 (214)	5500 (147)	7000 (1 $\phi$ $\phi$ )	11 000 (295)
		100 (6,90)	6500 (174)	$\phi$ 000 (214)	9500 (255)	9000 (241)	12 000 (322)	14 000 (375)
		150 (10,3)	$\phi$ 500 (22 $\phi$ )	11 000 (295)	12 000 (322)	15 000 (402)	1 $\phi$ 000 (4 $\phi$ 2)	21 000 (563)
		200 (13, $\phi$ )	12 000 (322)	14 000 (375)	17 000 (456)	16 000 (429)	19 000 (509)	21 000 (563)
	250 (17,2)	15 000 (402)	17 000 (456)	19 000 (509)	1 $\phi$ 000 (4 $\phi$ 2)	20 000 (536)	22 000 (590)	
	300 (20,7)	1 $\phi$ 000 (4 $\phi$ 2)	20 000 (536)	21 000 (563)	19 000 (509)	21 000 (563)	23 000 (616)	
	30 (2,1)	40 (2,76)	3400 (91,1)	6100 (163)	10 000 (26 $\phi$ )	4500 (121)	6200 (166)	11 000 (295)
		50 (3,45)	4500 (121)	9000 (241)	14 000 (375)	$\phi$ 000 (214)	10 000 (26 $\phi$ )	15 000 (402)
		75 (5,17)	6000 (161)	12 000 (322)	1 $\phi$ 000 (4 $\phi$ 2)	15 000 (402)	20 000 (536)	25 000 (670)
		100 (6,90)	$\phi$ 000 (214)	15 000 (402)	23 000 (616)	24 000 (643)	30 000 ( $\phi$ 04)	35 000 (93 $\phi$ )
		150 (10,3)	12 000 (322)	21 000 (563)	35 000 (93 $\phi$ )	44 000 (1179)	50 000 (1340)	54 000 (1447)
		200 (13, $\phi$ )	20 000 (536)	31 000 ( $\phi$ 31)	3 $\phi$ 000 (101 $\phi$ )	4 $\phi$ 000 (12 $\phi$ 6)	55 000 (1474)	5 $\phi$ 000 (1554)
		250 (17,2)	25 000 (670)	35 000 (93 $\phi$ )	41 000 (1099)	51 000 (1367)	5 $\phi$ 000 (1554)	60 000 (160 $\phi$ )
		300 (20,7)	29 000 (777)	3 $\phi$ 000 (101 $\phi$ )	44 000 (1179)	53 000 (1420)	59 000 (15 $\phi$ 1)	61 000 (1635)
	50 (3,4)	60 (4,14)	6300 (169)	10 000 (26 $\phi$ )	20 000 (536)	6500 (174)	11 000 (295)	21 000 (563)
		75 (5,17)	9000 (241)	14 000 (375)	32 000 ( $\phi$ 5 $\phi$ )	12 000 (322)	20 000 (536)	35 000 (93 $\phi$ )
100 (6,90)		10 000 (26 $\phi$ )	19 000 (509)	45 000 (1206)	20 000 (536)	40 000 (1072)	55 000 (1474)	
150 (10,3)		13 000 (34 $\phi$ )	2 $\phi$ 000 (750)	61 000 (1635)	30 000 ( $\phi$ 04)	6 $\phi$ 000 (1 $\phi$ 22)	75 000 (2010)	
200 (13, $\phi$ )		21 000 (563)	36 000 (965)	64 000 (1715)	43 000 (1152)	75 000 (2010)	$\phi$ 3 000 (2224)	
250 (17,2)		31 000 ( $\phi$ 31)	45 000 (1206)	66 000 (1769)	55 000 (1474)	$\phi$ 0 000 (2144)	$\phi$ 6 000 (2305)	
300 (20,7)		39 000 (1045)	51 000 (1367)	67 000 (1796)	65 000 (1742)	$\phi$ 4 000 (2251)	$\phi$ 9 000 (23 $\phi$ 5)	
75 (5,2)		100 (6,90)	14 000 (375)	22 000 (590)	42 000 (1126)	15 000 (402)	2 $\phi$ 000 (750)	50 000 (1340)
	125 ( $\phi$ ,62)	17 000 (456)	30 000 ( $\phi$ 04)	55 000 (1474)	20 000 (536)	45 000 (1206)	65 000 (1742)	
	150 (10,3)	20 000 (536)	39 000 (1045)	71 000 (1903)	26 000 (697)	69 000 (1 $\phi$ 49)	76 000 (2037)	
	200 (13, $\phi$ )	23 000 (616)	49 000 (1313)	$\phi$ 1 000 (2171)	50 000 (1340)	90 000 (2412)	96 000 (2573)	
	250 (17,2)	33 000 ( $\phi$ $\phi$ 4)	57 000 (152 $\phi$ )	$\phi$ 5 000 (227 $\phi$ )	$\phi$ 5 000 (1 $\phi$ 76)	110 000 (294 $\phi$ )	110 000 (294 $\phi$ )	
	300 (20,7)	43 000 (1152)	65 000 (1742)	$\phi$ $\phi$ 000 (235 $\phi$ )	90 000 (2412)	120 000 (3216)	120 000 (3216)	
60 to 120 (4,1 to $\phi$ ,3)	100 (6,9)	125 ( $\phi$ ,62)	11 000 (295)	29 000 (777)	50 000 (1340)	12 000 (322)	30 000 ( $\phi$ 04)	54 000 (1447)
		150 (10,3)	22 000 (590)	37 000 (992)	64 000 (1715)	25 000 (670)	45 000 (1206)	71 000 (1903)
		175 (12,1)	25 000 (670)	47 000 (1260)	75 000 (2010)	33 000 ( $\phi$ $\phi$ 4)	52 000 (1394)	90 000 (2412)
		225 (15,5)	2 $\phi$ 000 (750)	62 000 (1662)	95 000 (2546)	2 $\phi$ 000 (750)	62 000 (1662)	95 000 (2546)
		250 (17,2)	33 000 ( $\phi$ $\phi$ 4)	70 000 (1 $\phi$ 76)	110 000 (294 $\phi$ )	45 000 (1206)	70 000 (1 $\phi$ 76)	130 000 (34 $\phi$ 4)
100 to 140 (6,9 to 9,7)	125 ( $\phi$ ,6)	300 (20,7)	40 000 (1072)	$\phi$ $\phi$ 000 (235 $\phi$ )	120 000 (3216)	55 000 (1474)	$\phi$ 0 000 (2144)	150 000 (4020)
		150 (10,3)	21 000 (563)	40 000 (1072)	64 000 (1715)	22 000 (590)	40 000 (1072)	65 000 (1742)
		175 (12,1)	25 000 (670)	47 000 (1260)	74 000 (19 $\phi$ 3)	32 000 ( $\phi$ 5 $\phi$ )	50 000 (1340)	75 000 (2010)
		200 (13, $\phi$ )	2 $\phi$ 000 (750)	54 000 (1447)	90 000 (2412)	39 000 (1045)	70 000 (1 $\phi$ 76)	90 000 (2412)
		225 (15,5)	30 000 ( $\phi$ 04)	60 000 (160 $\phi$ )	100 000 (26 $\phi$ 0)	46 000 (1233)	100 000 (26 $\phi$ 0)	110 000 (294 $\phi$ )
120 to 150 ( $\phi$ ,3 to 10,3)	150 (10,3)	250 (17,2)	35 000 (93 $\phi$ )	70 000 (1 $\phi$ 76)	110 000 (294 $\phi$ )	56 000 (1501)	120 000 (3216)	130 000 (34 $\phi$ 4)
		300 (20,7)	42 000 (1126)	$\phi$ 5 000 (227 $\phi$ )	130 000 (34 $\phi$ 4)	$\phi$ 6 000 (2305)	150 000 (4020)	150 000 (4020)
		175 (12,1)	19 000 (509)	32 000 ( $\phi$ 5 $\phi$ )	54 000 (1447)	20 000 (536)	33 000 ( $\phi$ $\phi$ 4)	55 000 (1474)
		200 (13, $\phi$ )	23 000 (616)	44 000 (1179)	79 000 (2117)	24 000 (643)	45 000 (1206)	$\phi$ 0 000 (2144)

# Bulletin 71.1:95

**Table 11. Air SCFH (Nm<sup>3</sup>/h) Capacities for 1/4 through 1/2-Inch (DN 15) Type 95HP Regulators with Elastomer Diaphragms<sup>(1)</sup>**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 100 (1,0 to 6,9)	15 (1,0)	30 (2,07)	300 (φ,04)	550 (14,7)	φ50 (22,φ)	600 (16,1)	φ50 (22,φ)	1400 (37,5)
		40 (2,76)	350 (9,3φ)	5φ0 (15,5)	1000 (26,φ)	620 (16,6)	900 (24,1)	1500 (40,2)
		50 (3,45)	3φ0 (10,2)	600 (16,1)	1200 (32,2)	700 (1φ,φ)	1200 (32,2)	1700 (45,6)
		75 (5,17)	530 (14,2)	750 (20,1)	1300 (34,φ)	900 (24,1)	1500 (40,2)	1φ00 (4φ,2)
		100 (6,90)	φ00 (21,4)	1200 (32,2)	2000 (53,6)	1100 (29,5)	1700 (45,6)	2600 (69,7)
		150 (10,3)	1100 (29,5)	1600 (42,9)	2400 (64,3)	1700 (45,6)	2300 (61,6)	3100 (φ3,1)
		200 (13,φ)	1200 (32,2)	1700 (45,6)	2φ00 (75,0)	2100 (56,3)	2φ00 (75,0)	3500 (93,φ)
		250 (17,2)	1500 (40,2)	2100 (56,3)	2900 (77,7)	2400 (64,3)	3000 (φ0,4)	3φ00 (102)
		300 (20,7)	1700 (45,6)	2300 (61,6)	2900 (77,7)	2700 (72,4)	3300 (φφ,4)	4000 (107)
	400 (27,6)	1φ00 (4φ,2)	2300 (61,6)	2900 (77,7)	3300 (φφ,4)	3φ00 (102)	4300 (115)	
	500 (34,5)	1900 (50,9)	2400 (64,3)	3000 (φ0,4)	3900 (105)	4200 (113)	4500 (121)	
	600 (41,4)	2100 (56,3)	2600 (69,7)	3200 (φ5,φ)	4500 (121)	4φ00 (129)	4900 (131)	
	30 (2,1)	40 (2,76)	430 (11,5)	750 (20,1)	1100 (29,5)	900 (24,1)	1500 (40,2)	1900 (50,9)
		50 (3,45)	500 (13,4)	900 (24,1)	1600 (42,9)	1200 (32,2)	1600 (42,9)	2000 (53,6)
		75 (5,17)	700 (1φ,φ)	1200 (32,2)	2100 (56,3)	1300 (34,φ)	2100 (56,3)	3600 (96,5)
		100 (6,90)	φ00 (21,4)	1700 (45,6)	2900 (77,7)	1φ00 (4φ,2)	2600 (69,7)	4100 (110)
		150 (10,3)	1400 (37,5)	2500 (67,0)	3φ00 (102)	2100 (56,3)	3200 (φ5,φ)	4φ00 (129)
		200 (13,φ)	2000 (53,6)	3000 (φ0,4)	4200 (113)	2600 (69,7)	3φ00 (102)	5100 (137)
		250 (17,2)	2200 (59,0)	3300 (φφ,4)	4300 (115)	3000 (φ0,4)	4000 (107)	5600 (150)
		300 (20,7)	2400 (64,3)	3500 (93,φ)	4300 (115)	3500 (93,φ)	4700 (126)	5900 (15φ)
		400 (27,6)	2φ00 (75,0)	3900 (105)	4300 (115)	4100 (110)	5200 (139)	6300 (169)
	500 (34,5)	2φ00 (75,0)	3900 (105)	4300 (115)	4φ00 (129)	5900 (15φ)	6400 (172)	
	600 (41,4)	2φ00 (75,0)	3900 (105)	4300 (115)	5300 (142)	6200 (166)	7100 (190)	
	50 (3,4)	60 (4,14)	700 (1φ,φ)	1300 (34,φ)	1900 (50,9)	1500 (40,2)	2500 (67,0)	4000 (107)
75 (5,17)		730 (19,6)	1500 (40,2)	2500 (67,0)	1700 (45,6)	3100 (φ3,1)	5000 (134)	
100 (6,90)		1400 (37,5)	2500 (67,0)	3200 (φ5,φ)	2300 (61,6)	3φ00 (102)	6000 (161)	
150 (10,3)		2200 (59,0)	3600 (96,5)	4700 (126)	2φ00 (75,0)	4φ00 (129)	6φ00 (1φφ2)	
200 (13,φ)		3000 (φ0,4)	4600 (123)	5500 (147)	3500 (93,φ)	5700 (153)	7φ00 (209)	
250 (17,2)		3500 (93,φ)	4700 (126)	5φ00 (155)	3φ00 (102)	6000 (161)	φ100 (217)	
300 (20,7)		3500 (93,φ)	5500 (147)	6200 (166)	4400 (11φ)	6400 (172)	φφ00 (236)	
400 (27,6)		4000 (107)	5700 (153)	6200 (166)	5200 (139)	7000 (1φφφ)	9300 (249)	
500 (34,5)		4400 (11φ)	5700 (153)	6200 (166)	5700 (153)	7400 (19φ)	9600 (257)	
600 (41,4)	5000 (134)	5700 (153)	6200 (166)	6000 (161)	φ200 (220)	10 000 (26φ)		
100 (6,9)	125 (φ,62)	2000 (53,6)	3200 (φ5,φ)	3900 (105)	4100 (110)	6700 (1φ0)	9000 (241)	
	150 (10,3)	3100 (φ3,1)	4100 (110)	4700 (126)	5000 (134)	φ000 (214)	11 000 (295)	
	175 (12,1)	3600 (96,5)	5100 (137)	5500 (147)	5700 (153)	φφ00 (236)	13 000 (34φ)	
	200 (13,φ)	4500 (121)	5700 (153)	6200 (166)	5700 (153)	9300 (249)	14 000 (375)	
	250 (17,2)	5000 (134)	6700 (1φ0)	7φ00 (209)	6500 (174)	10 000 (26φ)	15 000 (402)	
	300 (20,7)	6100 (163)	φ300 (222)	9000 (241)	7200 (193)	11 000 (295)	16 000 (429)	
	400 (27,6)	7000 (1φφ)	10 000 (26φ)	11 000 (295)	7φ00 (209)	12 000 (322)	17 000 (456)	
	500 (34,5)	7φ00 (209)	11 000 (295)	12 000 (322)	φ700 (233)	13 000 (34φ)	17 000 (456)	
	600 (41,4)	7φ00 (209)	12 000 (322)	12 000 (322)	9000 (241)	14 000 (375)	1φ 000 (4φ2)	
φ0 to 300 (5,5 to 20,7)	125 (φ,6)	150 (10,3)	2100 (56,3)	2φ00 (75,0)	4100 (110)	3000 (φ0,4)	5200 (139)	φ600 (230)
		175 (12,1)	2200 (59,0)	3200 (φ5,φ)	4700 (126)	3500 (93,φ)	6000 (161)	9500 (255)
		200 (13,φ)	2φ00 (75,0)	4000 (107)	5600 (150)	4000 (107)	6500 (174)	11 000 (295)
		225 (15,5)	3100 (φ3,1)	4300 (115)	6100 (163)	4000 (107)	6700 (1φ0)	11 000 (295)
		250 (17,2)	3300 (φφ,4)	4900 (131)	6600 (177)	4400 (11φ)	7000 (1φφ)	12 000 (322)
		300 (20,7)	3700 (99,2)	5700 (153)	7900 (212)	5200 (139)	φ200 (220)	14 000 (375)
		400 (27,6)	5200 (139)	7500 (201)	11 000 (295)	6500 (174)	10 000 (26φ)	15 000 (402)
		500 (34,5)	6300 (169)	9500 (255)	13 000 (34φ)	7900 (212)	12 000 (322)	1φ 000 (4φ2)
		600 (41,4)	7000 (1φφ)	11 000 (295)	16 000 (429)	9300 (249)	14 000 (375)	21 000 (563)
	200 (13,φ)	225 (15,5)	3200 (φ5,φ)	4500 (121)	6400 (172)	5500 (147)	9300 (249)	15 000 (402)
		250 (17,2)	3φ00 (102)	5400 (145)	7200 (193)	5600 (150)	10 000 (26φ)	17 000 (456)
		300 (20,7)	4200 (113)	6600 (177)	φ700 (233)	6500 (174)	11 000 (295)	19 000 (509)
		350 (24,1)	4φ00 (129)	7500 (201)	10 000 (26φ)	7500 (201)	13 000 (34φ)	20 000 (536)
		400 (27,6)	5700 (153)	φ500 (22φ)	12 000 (322)	φφ00 (236)	14 000 (375)	22 000 (590)
		450 (31,0)	6300 (169)	9700 (260)	13 000 (34φ)	9600 (257)	15 000 (402)	24 000 (643)
		500 (34,5)	6700 (1φ0)	11 000 (295)	15 000 (402)	11 000 (295)	17 000 (456)	26 000 (697)
		600 (41,4)	7200 (193)	13 000 (34φ)	1φ 000 (4φ2)	11 000 (295)	19 000 (509)	30 000 (φ04)

1. To obtain capacities for Type 95HT (metal diaphragm), multiply the table values by 0.6.

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**Table 11. Air SCFH (Nm<sup>3</sup>/h) Capacities for 1/4 through 1/2-Inch (DN 15) Type 95HP Regulators with Elastomer Diaphragms<sup>(1)</sup> (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
Ø to 300 (5,5 to 20,7)	250 (17,2)	275 (19,0)	4100 (110)	5Ø00 (155)	7700 (206)	7600 (204)	12 000 (322)	19 000 (509)
		300 (20,7)	4200 (113)	6600 (177)	Ø400 (225)	7200 (193)	13 000 (34Ø)	20 000 (536)
		350 (24,1)	5000 (134)	7500 (201)	10 000 (26Ø)	Ø000 (214)	14 000 (375)	23 000 (616)
		400 (27,6)	5200 (139)	Ø600 (230)	12 000 (322)	9200 (247)	16 000 (429)	26 000 (697)
		450 (31,0)	5Ø00 (155)	9700 (260)	13 000 (34Ø)	9700 (260)	17 000 (456)	2Ø 000 (750)
		500 (34,5)	6300 (169)	11 000 (295)	15 000 (402)	10 000 (26Ø)	1Ø 000 (4Ø2)	31 000 (Ø31)
		550 (37,9)	6700 (1Ø0)	12 000 (322)	16 000 (429)	11 000 (295)	20 000 (536)	34 000 (911)
		600 (41,4)	7200 (193)	13 000 (34Ø)	1Ø 000 (4Ø2)	12 000 (322)	20 000 (536)	36 000 (965)
	300 (20,7)	350 (24,1)	5200 (139)	7700 (206)	10 000 (26Ø)	9000 (241)	16 000 (429)	24 000 (643)
		400 (27,6)	5600 (150)	ØØ00 (236)	12 000 (322)	9500 (255)	17 000 (456)	2Ø 000 (750)
		450 (31,0)	6000 (161)	9900 (265)	13 000 (34Ø)	10 000 (26Ø)	1Ø 000 (4Ø2)	31 000 (Ø31)
		500 (34,5)	6400 (172)	11 000 (295)	15 000 (402)	11 000 (295)	19 000 (509)	34 000 (911)
		550 (37,9)	6Ø00 (1Ø2)	12 000 (322)	17 000 (456)	11 000 (295)	20 000 (536)	37 000 (992)
		600 (41,4)	7200 (193)	13 000 (34Ø)	1Ø 000 (4Ø2)	12 000 (322)	21 000 (563)	41 000 (1099)
Ø to 400 (5,5 to 27,6) Type 95HP Only	400 (27,6)	500 (34,5)	7000 (1ØØ)	13 000 (34Ø)	17 000 (456)	11 000 (295)	20 000 (536)	3Ø 000 (101Ø)
		600 (41,4)	7200 (193)	14 000 (375)	19 000 (509)	12 000 (322)	21 000 (563)	42 000 (1126)

1. To obtain capacities for Type 95HT (metal diaphragm), multiply the table values by 0.6.

**Table 11. Air SCFH (Nm<sup>3</sup>/h) Capacities for 3/4 through 1-Inch (DN 20 through 25) Type 95HP Regulators with Elastomer Diaphragms<sup>(1)</sup> (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 100 (1,0 to 6,9)	15 (1,0)	30 (2,07)	1300 (34,Ø)	1Ø00 (4Ø,2)	2900 (77,7)	1200 (32,2)	1600 (42,9)	2500 (67,0)
		40 (2,76)	1300 (34,Ø)	2100 (56,3)	2900 (77,7)	1300 (34,Ø)	2000 (53,6)	3000 (Ø0,4)
		50 (3,45)	1500 (40,2)	2400 (64,3)	3400 (91,1)	1900 (50,9)	2700 (72,4)	3Ø00 (102)
		75 (5,17)	2400 (64,3)	3200 (Ø5,Ø)	4600 (123)	2600 (69,7)	3Ø00 (102)	5400 (145)
		100 (6,90)	3100 (Ø3,1)	4300 (115)	6000 (161)	3000 (Ø0,4)	4700 (126)	7000 (1ØØ)
		150 (10,3)	4000 (107)	5000 (134)	7600 (204)	4500 (121)	6400 (172)	9600 (257)
		200 (13,Ø)	4500 (121)	6200 (166)	Ø300 (222)	5500 (147)	7500 (201)	13 000 (34Ø)
		250 (17,2)	5500 (147)	7000 (1ØØ)	9200 (247)	6500 (174)	9000 (241)	13 000 (34Ø)
		300 (20,7)	6500 (174)	Ø000 (214)	10 000 (26Ø)	7500 (201)	10 000 (26Ø)	14 000 (375)
		400 (27,6)	Ø200 (220)	9500 (255)	12 000 (322)	9000 (241)	12 000 (322)	17 000 (456)
	500 (34,5)	10 000 (26Ø)	11 000 (295)	13 000 (34Ø)	11 000 (295)	14 000 (375)	20 000 (536)	
	600 (41,4)	12 000 (322)	13 000 (34Ø)	15 000 (402)	12 000 (322)	16 000 (429)	22 000 (590)	
	30 (2,1)	40 (2,76)	1700 (45,6)	2Ø00 (75,0)	4600 (123)	1900 (50,9)	2900 (77,7)	4700 (126)
		50 (3,45)	2200 (59,0)	3500 (93,Ø)	5700 (153)	2300 (61,6)	3300 (ØØ,4)	5Ø00 (155)
		75 (5,17)	3000 (Ø0,4)	4500 (121)	7200 (193)	3300 (ØØ,4)	4Ø00 (129)	Ø400 (225)
		100 (6,90)	4100 (110)	6100 (163)	9500 (255)	4000 (107)	6000 (161)	11 000 (295)
		150 (10,3)	5000 (134)	7200 (193)	12 000 (322)	6400 (172)	9500 (255)	15 000 (402)
		200 (13,Ø)	6000 (161)	9000 (241)	14 000 (375)	6500 (174)	11 000 (295)	1Ø 000 (4Ø2)
		250 (17,2)	7400 (19Ø)	10 000 (26Ø)	14 000 (375)	Ø000 (214)	14 000 (375)	20 000 (536)
		300 (20,7)	Ø500 (22Ø)	12 000 (322)	16 000 (429)	9000 (241)	15 000 (402)	22 000 (590)
400 (27,6)		11 000 (295)	14 000 (375)	1Ø 000 (4Ø2)	12 000 (322)	1Ø 000 (4Ø2)	25 000 (670)	
500 (34,5)		13 000 (34Ø)	15 000 (402)	21 000 (563)	15 000 (402)	22 000 (590)	30 000 (Ø04)	
600 (41,4)	15 000 (402)	17 000 (456)	22 000 (590)	17 000 (456)	24 000 (643)	32 000 (Ø5Ø)		

1. To obtain capacities for Type 95HT (metal diaphragm), multiply the table values by 0.6.

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# Bulletin 71.1:95

**Table 11. Air SCFH (Nm³/h) Capacities for 3/4 through 1-Inch (DN 20 through 25) Type 95HP Regulators with Elastomer Diaphragms<sup>(1)</sup> (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet  Psig (bar)	3/4 (20)			1 (25)		
			Offset			Offset		
			10%	20%	40%	10%	20%	40%
15 to 100 (1,0 to 6,9)	50 (3,4)	60 (4,14)	2Φ00 (75,0)	5000 (134)	Φ000 (214)	3000 (Φ0,4)	5000 (134)	Φ500 (22Φ)
		75 (5,17)	3Φ00 (102)	6200 (166)	10 000 (26Φ)	4000 (107)	6400 (172)	11 000 (295)
		100 (6,90)	5000 (134)	Φ500 (22Φ)	14 000 (375)	5400 (145)	9300 (249)	15 000 (402)
		150 (10,3)	7500 (201)	12 000 (322)	1Φ 000 (4Φ2)	9000 (241)	14 000 (375)	22 000 (590)
		200 (13,Φ)	Φ000 (214)	13 000 (34Φ)	21 000 (563)	10 000 (26Φ)	16 000 (429)	26 000 (697)
		250 (17,2)	10 000 (26Φ)	15 000 (402)	22 000 (590)	13 000 (34Φ)	21 000 (563)	32 000 (Φ5Φ)
		300 (20,7)	11 000 (295)	16 000 (429)	24 000 (643)	15 000 (402)	23 000 (616)	34 000 (911)
		400 (27,6)	14 000 (375)	19 000 (509)	26 000 (697)	16 000 (429)	26 000 (697)	3Φ 000 (101Φ)
		500 (34,5)	16 000 (429)	20 000 (536)	27 000 (724)	1Φ 000 (4Φ2)	30 000 (Φ04)	42 000 (1126)
	600 (41,4)	19 000 (509)	24 000 (643)	31 000 (Φ31)	20 000 (536)	33 000 (ΦΦ4)	47 000 (1260)	
	100 (6,9)	125 (Φ,62)	Φ500 (22Φ)	14 000 (375)	1Φ 000 (4Φ2)	ΦΦ00 (236)	15 000 (402)	1Φ 000 (4Φ2)
		150 (10,3)	11 000 (295)	1Φ 000 (4Φ2)	22 000 (590)	11 000 (295)	19 000 (509)	23 000 (616)
		175 (12,1)	12 000 (322)	20 000 (536)	26 000 (697)	14 000 (375)	23 000 (616)	26 000 (697)
		200 (13,Φ)	13 000 (34Φ)	22 000 (590)	30 000 (Φ04)	16 000 (429)	26 000 (697)	31 000 (Φ31)
		250 (17,2)	16 000 (429)	26 000 (697)	37 000 (992)	20 000 (536)	33 000 (ΦΦ4)	39 000 (1045)
		300 (20,7)	1Φ 000 (4Φ2)	29 000 (777)	42 000 (1126)	21 000 (563)	35 000 (93Φ)	46 000 (1233)
		400 (27,6)	22 000 (590)	32 000 (Φ5Φ)	46 000 (1233)	2Φ 000 (750)	45 000 (1206)	62 000 (1662)
		500 (34,5)	25 000 (670)	36 000 (965)	53 000 (1420)	36 000 (965)	56 000 (1501)	7Φ 000 (2090)
600 (41,4)		29 000 (777)	39 000 (1045)	55 000 (1474)	43 000 (1152)	66 000 (1769)	95 000 (2546)	
Φ0 to 300 (5,5 to 20,7)	125 (Φ,6)	150 (10,3)	7000 (1ΦΦ)	11 000 (295)	19 000 (509)	7Φ00 (209)	13 000 (34Φ)	20 000 (536)
		175 (12,1)	7000 (1ΦΦ)	13 000 (34Φ)	21 000 (563)	7500 (201)	13 000 (34Φ)	23 000 (616)
		200 (13,Φ)	9500 (255)	15 000 (402)	24 000 (643)	Φ500 (22Φ)	15 000 (402)	25 000 (670)
		225 (15,5)	10 000 (26Φ)	16 000 (429)	27 000 (724)	9500 (255)	16 000 (429)	29 000 (777)
		250 (17,2)	12 000 (322)	19 000 (509)	29 000 (777)	10 000 (26Φ)	1Φ 000 (4Φ2)	32 000 (Φ5Φ)
		300 (20,7)	13 000 (34Φ)	20 000 (536)	33 000 (ΦΦ4)	12 000 (322)	23 000 (616)	3Φ 000 (101Φ)
	200 (13,Φ)	400 (27,6)	16 000 (429)	25 000 (670)	39 000 (1045)	17 000 (456)	29 000 (777)	4Φ 000 (12Φ6)
		500 (34,5)	1Φ 000 (4Φ2)	30 000 (Φ04)	46 000 (1233)	21 000 (563)	36 000 (965)	59 000 (15Φ1)
		600 (41,4)	20 000 (536)	34 000 (911)	52 000 (1394)	26 000 (697)	43 600 (116Φ)	69 000 (1Φ49)
		225 (15,5)	11 000 (295)	20 000 (536)	30 000 (Φ04)	12 000 (322)	21 000 (563)	31 000 (Φ31)
		250 (17,2)	14 000 (375)	24 000 (643)	35 000 (93Φ)	14 000 (375)	23 000 (616)	35 000 (93Φ)
		300 (20,7)	17 000 (456)	2Φ 000 (750)	42 000 (1126)	1Φ 000 (4Φ2)	31 000 (Φ31)	44 000 (1179)
		350 (24,1)	21 000 (563)	34 000 (911)	49 000 (1313)	20 000 (536)	37 000 (992)	55 000 (1474)
		400 (27,6)	21 000 (563)	35 000 (93Φ)	55 000 (1474)	22 000 (590)	40 000 (1072)	59 000 (15Φ1)
	250 (17,2)	450 (31,0)	25 000 (670)	41 000 (1099)	62 000 (1662)	25 000 (670)	46 000 (1233)	69 000 (1Φ49)
		500 (34,5)	27 000 (724)	45 000 (1206)	6Φ 000 (1Φ22)	27 000 (724)	51 000 (1367)	76 000 (2037)
		600 (41,4)	30 000 (Φ04)	50 000 (1340)	75 000 (2010)	30 000 (Φ04)	59 000 (15Φ1)	90 000 (2412)
		275 (19,0)	15 000 (402)	25 000 (670)	36 000 (965)	16 000 (429)	27 000 (724)	3Φ 000 (101Φ)
		300 (20,7)	1Φ 000 (4Φ2)	30 000 (Φ04)	41 000 (1099)	17 000 (456)	31 000 (Φ31)	42 000 (1126)
		350 (24,1)	22 000 (590)	36 000 (965)	50 000 (1340)	24 000 (643)	39 000 (1045)	51 000 (1367)
	300 (20,7)	400 (27,6)	22 000 (590)	37 000 (992)	55 000 (1474)	24 000 (643)	43 000 (1152)	59 000 (15Φ1)
		450 (31,0)	25 000 (670)	42 000 (1126)	61 000 (1635)	2Φ 000 (750)	50 000 (1340)	6Φ 000 (1Φ22)
		500 (34,5)	26 000 (697)	44 000 (1179)	65 000 (1742)	31 000 (Φ31)	56 000 (1501)	76 000 (2037)
		550 (37,9)	27 000 (724)	45 000 (1206)	74 000 (19Φ3)	34 000 (911)	62 000 (1662)	Φ5 000 (227Φ)
600 (41,4)		31 000 (Φ31)	52 000 (1394)	Φ0 000 (2144)	3Φ 000 (101Φ)	6Φ 000 (1Φ22)	93 000 (2492)	
350 (24,1)		21 000 (563)	37 000 (992)	4Φ 000 (12Φ6)	22 000 (590)	3Φ 000 (101Φ)	49 000 (1313)	
Φ0 to 400 (5,5 to 27,6) Type 95HP Only	400 (27,6)	400 (27,6)	24 000 (643)	41 000 (1099)	57 000 (152Φ)	26 000 (697)	47 000 (1260)	5Φ 000 (1554)
		450 (31,0)	27 000 (724)	46 000 (1233)	67 000 (1796)	31 000 (Φ31)	55 000 (1474)	69 000 (1Φ49)
	500 (34,5)	30 000 (Φ04)	50 000 (1340)	76 000 (2037)	35 000 (93Φ)	64 000 (1715)	79 000 (2117)	
	550 (37,9)	33 000 (ΦΦ4)	55 000 (1474)	Φ6 000 (2305)	40 000 (1072)	72 000 (1930)	90 000 (2412)	
	600 (41,4)	36 000 (965)	59 000 (15Φ1)	95 000 (2546)	44 000 (1179)	Φ1 000 (2171)	100 000 (26Φ0)	
	600 (41,4)	40 000 (1072)	65 000 (1742)	100 000 (26Φ0)	50 000 (1340)	Φ5 000 (227Φ)	110 000 (294Φ)	

1. To obtain capacities for Type 95HT (metal diaphragm), multiply the table values by 0.6.

Table 12. Air SCFH (Nm<sup>3</sup>/h) Capacities for 1-1/2 through 2-Inch (DN 40 through 50) Types 95HT (Metal Diaphragm) and 95HP (Elastomer Diaphragm) Regulators

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1-1/2 (40)			2 (50)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 100 (1,0 to 6,9)	15 (1,0)	30 (2,07)	1φ00 (4φ,2)	2φ00 (75,0)	3φ00 (102)	2000 (53,6)	3000 (φ0,4)	4000 (107)
		40 (2,76)	3φ00 (102)	5000 (134)	7000 (1φφ)	4000 (107)	6000 (161)	φ000 (214)
		50 (3,45)	4500 (121)	6000 (161)	φ000 (214)	5000 (134)	φ000 (214)	12 000 (322)
		75 (5,17)	5φ00 (155)	φ000 (214)	11 000 (295)	φ000 (214)	12 000 (322)	20 000 (536)
		100 (6,90)	7000 (1φφ)	9500 (255)	14 000 (375)	10 000 (26φ)	16 000 (429)	26 000 (697)
		150 (10,3)	10 000 (26φ)	13 000 (34φ)	19 000 (509)	20 000 (536)	25 000 (670)	32 000 (φ5φ)
		200 (13,φ)	14 000 (375)	1φ 000 (4φ2)	24 000 (φ42)	31 000 (φ31)	33 000 (φφ4)	36 000 (965)
		250 (17,2)	1φ 000 (4φ2)	22 000 (590)	27 000 (724)	31 000 (φ31)	33 000 (φφ4)	37 000 (992)
		300 (20,7)	21 000 (563)	25 000 (670)	29 000 (777)	31 000 (φ31)	33 000 (φφ4)	37 000 (992)
	400 (27,6)	25 000 (670)	2φ 000 (750)	31 000 (φ31)	32 000 (φ5φ) <sup>(1)</sup>	34 000 (911) <sup>(1)</sup>	3φ 000 (101φ) <sup>(1)</sup>	
	500 (34,5)	2φ 000 (750)	30 000 (φ04)	33 000 (φφ4)	33 000 (φφ4) <sup>(1)</sup>	35 000 (93φ) <sup>(1)</sup>	39 000 (1045) <sup>(1)</sup>	
	600 (41,4)	30 000 (φ04)	32 000 (φ5φ)	35 000 (93φ)	34 000 (911) <sup>(1)</sup>	36 000 (965) <sup>(1)</sup>	39 000 (1045) <sup>(1)</sup>	
	30 (2,1)	40 (2,76)	4500 (121)	6300 (169)	11 000 (295)	4500 (121)	7000 (1φφ)	13 000 (34φ)
		50 (3,45)	5500 (147)	7500 (201)	13 000 (34φ)	5500 (147)	9000 (241)	15 000 (402)
		75 (5,17)	6500 (174)	9500 (255)	17 000 (456)	7500 (201)	14 000 (375)	25 000 (670)
		100 (6,90)	φ000 (214)	12 000 (322)	23 000 (616)	12 000 (322)	23 000 (616)	39 000 (1045)
		150 (10,3)	12 000 (322)	19 000 (509)	30 000 (φ04)	35 000 (93φ)	43 000 (1152)	49 000 (1313)
		200 (13,φ)	17 000 (456)	2φ 000 (750)	36 000 (965)	49 000 (1313)	52 000 (1394)	56 000 (1501)
		250 (17,2)	23 000 (616)	35 000 (93φ)	40 000 (1072)	53 000 (1420)	56 000 (1501)	60 000 (160φ)
		300 (20,7)	2φ 000 (750)	39 000 (1045)	44 000 (1179)	55 000 (1474)	5φ 000 (1554)	61 000 (1635)
		400 (27,6)	34 000 (911)	41 000 (1099)	4φ 000 (12φ6)	56 000 (1501) <sup>(1)</sup>	60 000 (160φ) <sup>(1)</sup>	63 000 (16φφ) <sup>(1)</sup>
	500 (34,5)	37 000 (992)	42 000 (1126)	50 000 (1340)	57 000 (152φ) <sup>(1)</sup>	61 000 (1635) <sup>(1)</sup>	64 000 (1715) <sup>(1)</sup>	
	600 (41,4)	39 000 (1045)	43 000 (1152)	52 000 (1394)	5φ 000 (1554) <sup>(1)</sup>	62 000 (1662) <sup>(1)</sup>	65 000 (1742) <sup>(1)</sup>	
	50 (3,4)	60 (4,14)	6500 (174)	11 000 (295)	21 000 (563)	φ000 (214)	13 000 (34φ)	27 000 (724)
		75 (5,17)	φ500 (22φ)	13 000 (34φ)	27 000 (724)	17 000 (456)	22 000 (590)	40 000 (1072)
		100 (6,90)	12 000 (322)	1φ 000 (4φ2)	35 000 (93φ)	30 000 (φ04)	36 000 (965)	50 000 (1340)
		150 (10,3)	1φ 000 (4φ2)	2φ 000 (750)	4φ 000 (12φ6)	50 000 (1340)	56 000 (1501)	70 000 (1φ76)
		200 (13,φ)	24 000 (643)	37 000 (992)	5φ 000 (1554)	63 000 (16φφ)	73 000 (1956)	φ1 000 (2171)
		250 (17,2)	30 000 (φ04)	45 000 (1206)	62 000 (1662)	72 000 (1930)	φ0 000 (2144)	φφ 000 (235φ)
		300 (20,7)	36 000 (965)	50 000 (1340)	65 000 (1742)	7φ 000 (2090)	φ5 000 (227φ)	91 000 (2439)
		400 (27,6)	46 000 (1233)	57 000 (152φ)	66 000 (1769)	φ4 000 (2251) <sup>(1)</sup>	φ9 000 (23φ5) <sup>(1)</sup>	94 000 (2519) <sup>(1)</sup>
		500 (34,5)	54 000 (1447)	62 000 (1662)	69 000 (1φ49)	φφ 000 (235φ) <sup>(1)</sup>	92 000 (2466) <sup>(1)</sup>	97 000 (2600) <sup>(1)</sup>
	600 (41,4)	60 000 (160φ)	67 000 (1796)	72 000 (1930)	92 000 (2466) <sup>(1)</sup>	95 000 (2546) <sup>(1)</sup>	100 000 (26φ0) <sup>(1)</sup>	
	100 (6,9)	125 (φ,62)	20 000 (536)	32 000 (φ5φ)	60 000 (160φ)	40 000 (1072)	45 000 (1206)	70 000 (1φ76)
		150 (10,3)	23 000 (616)	3φ 000 (101φ)	72 000 (1930)	50 000 (1340)	63 000 (16φφ)	φ6 000 (2305)
		200 (13,φ)	30 000 (φ04)	55 000 (1474)	92 000 (2466)	φ2 000 (219φ)	97 000 (2600)	107 000 (2φ6φ)
250 (17,2)		3φ 000 (101φ)	65 000 (1742)	96 000 (2573)	9φ 000 (2626)	110 000 (294φ)	121 000 (3243)	
300 (20,7)		4φ 000 (12φ6)	75 000 (2010)	9φ 000 (2626)	107 000 (2φ6φ)	117 000 (3136)	127 000 (3404)	
400 (27,6)		65 000 (1742)	φ5 000 (227φ)	100 000 (26φ0)	117 000 (3136) <sup>(1)</sup>	125 000 (3350) <sup>(1)</sup>	133 000 (3564) <sup>(1)</sup>	
500 (34,5)		75 000 (2010)	95 000 (2546)	102 000 (2734)	127 000 (3404) <sup>(1)</sup>	130 000 (34φ4) <sup>(1)</sup>	135 000 (361φ) <sup>(1)</sup>	
600 (41,4)		φ2 000 (219φ)	103 000 (2760)	105 000 (2φ14)	133 000 (3564) <sup>(1)</sup>	135 000 (361φ) <sup>(1)</sup>	13φ 000 (369φ) <sup>(1)</sup>	
60 to 260 (4,1 to 17,9)		125 (φ,6)	150 (10,3)	16 000 (429)	26 000 (697)	49 000 (1313)	17 000 (456)	26 000 (697)
	175 (12,1)		1φ 000 (4φ2)	30 000 (φ04)	55 000 (1474)	1φ 000 (4φ2)	30 000 (φ04)	70 000 (1φ76)
	200 (13,φ)		20 000 (536)	33 000 (φφ4)	63 000 (16φφ)	20 000 (536)	34 000 (911)	φ0 000 (2144)
	225 (15,5)		22 000 (590)	3φ 000 (101φ)	72 000 (1930)	22 000 (590)	40 000 (1072)	96 000 (2573)
	250 (17,2)		30 000 (φ04)	42 000 (1126)	φ0 000 (2144)	32 000 (φ5φ)	50 000 (1340)	111 000 (2975)
	300 (20,7)		36 000 (965)	52 000 (1394)	95 000 (2546)	50 000 (1340)	75 000 (2010)	135 000 (361φ)
	400 (27,6)		42 000 (1126)	72 000 (1930)	120 000 (3216)	96 000 (2573)	136 000 (3645)	166 000 (4449)
	500 (34,5)		4φ 000 (12φ6)	φ5 000 (227φ)	130 000 (34φ4)	110 000 (294φ)	160 000 (42φφ)	1φ5 000 (495φ)
	600 (41,4)		52 000 (1394)	95 000 (2546)	140 000 (3752)	125 000 (3350)	170 000 (4556)	195 000 (5226)
	200 (13,φ)	225 (15,5)	27 000 (724)	51 000 (1367)	92 000 (2466)	2φ 000 (750)	52 000 (1394)	106 000 (2φ41)
		250 (17,2)	29 000 (777)	54 000 (1447)	99 000 (2653)	30 000 (φ04)	55 000 (1474)	100 000 (26φ0)
		300 (20,7)	40 000 (1072)	72 000 (1930)	12φ 000 (3430)	42 000 (1126)	φ0 000 (2144)	142 000 (3φ06)
		350 (24,1)	46 000 (1233)	φ2 000 (219φ)	140 000 (3752)	54 000 (1447)	97 000 (2600)	160 000 (42φφ)

1. Capacities limited due to boost.

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# Bulletin 71.1:95

**Table 12. Air SCFH (Nm<sup>3</sup>/h) Capacities for 1-1/2 through 2-Inch (DN 40 through 50) Types 95HT (Metal Diaphragm) and 95HP (Elastomer Diaphragm) Regulators (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)							
	Outlet Setting, Psig (bar)	Inlet Psig (bar)	1-1/2 (40)			2 (50)				
			Offset			Offset				
			10%	20%	40%	10%	20%	40%		
60 to 260 (4,1 to 17,9)	200 (13,ϕ)	400 (27,6)	54 000 (1447)	100 000 (26ϕ0)	165 000 (4422)	76 000 (2037)	166 000 (4449)	196 000 (5253)		
		450 (31,0)	62 000 (1662)	110 000 (294ϕ)	190 000 (4ϕ24)	ϕ0 000 (2144)	160 000 (42ϕϕ)	200 000 (5360)		
		500 (34,5)	72 000 (1930)	120 000 (3216)	190 000 (5092)	100 000 (26ϕ0)	170 000 (4556)	215 000 (5762)		
	250 (17,2)	600 (41,4)	90 000 (2412)	130 000 (34ϕ4)	200 000 (5360)	125 000 (3350)	1ϕ0 000 (4ϕ24)	230 000 (6164)		
		275 (19,0)	30 000 (ϕ04)	60 000 (160ϕ)	102 000 (2734)	30 000 (ϕ04)	60 000 (160ϕ)	103 000 (2760)		
		300 (20,7)	45 000 (1206)	ϕ0 000 (2144)	130 000 (34ϕ4)	40 000 (1072)	ϕ0 000 (2144)	125 000 (3350)		
		350 (24,1)	56 000 (1501)	102 000 (2734)	154 000 (4127)	57 000 (152ϕ)	10ϕ 000 (2ϕ94)	16ϕ 000 (4502)		
		400 (27,6)	64 000 (1715)	110 000 (294ϕ)	169 000 (4529)	74 000 (1993)	140 000 (3752)	194 000 (5199)		
		450 (31,0)	71 000 (1903)	120 000 (3216)	190 000 (4ϕ24)	ϕ4 000 (2251)	155 000 (4154)	215 000 (5762)		
		500 (34,5)	74 000 (19ϕ3)	129 000 (3457)	190 000 (5092)	93 000 (2492)	16ϕ 000 (4502)	225 000 (6030)		
		550 (37,9)	ϕ1 000 (2171)	13ϕ 000 (369ϕ)	19ϕ 000 (5306)	102 000 (2734)	175 000 (4690)	235 000 (629ϕ)		
		600 (41,4)	ϕ4 000 (2251)	145 000 (3ϕϕ6)	205 000 (5494)	110 000 (294ϕ)	1ϕ2 000 (4ϕ7ϕ)	245 000 (6566)		
		60 to 300 (4,1 to 20,7) Type 95HP Only	300 (20,7)	350 (24,1)	53 000 (1420)	94 000 (2519)	150 000 (4020)	54 000 (1447)	97 000 (2600)	151 000 (4047)
				400 (27,6)	64 000 (1715)	115 000 (30ϕ2)	1ϕ0 000 (4ϕ24)	70 000 (1ϕ76)	12ϕ 000 (3430)	192 000 (5146)
450 (31,0)	ϕ0 000 (2144)			130 000 (34ϕ4)	200 000 (5360)	90 000 (2412)	145 000 (3ϕϕ6)	220 000 (5ϕ96)		
500 (34,5)	95 000 (2546)			145 000 (3ϕϕ6)	220 000 (5ϕ96)	110 000 (294ϕ)	163 000 (436ϕ)	240 000 (6432)		
550 (37,9)	104 000 (27ϕ7)			15ϕ 000 (4234)	235 000 (629ϕ)	12ϕ 000 (3430)	1ϕ1 000 (4ϕ51)	260 000 (696ϕ)		
600 (41,4)	112 000 (3002)			16ϕ 000 (4502)	250 000 (6700)	136 000 (3645)	199 000 (5333)	2ϕ0 000 (7504)		

1. Capacities limited due to boost.

**Table 13. Steam Capacities<sup>(1)</sup> for 1/4 through 1-Inch (DN 25) Types 95L and 95LD Regulators with Stainless Steel Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)								
	Outlet Setting, Psig (bar)	Inlet Psig (bar)	1/4		1/2 (15)		3/4 (20)		1 (25)		
			Offset		Offset		Offset		Offset		
			10%	20%	10%	20%	10%	20%	10%	20%	
2 to 6 (0,1 to 0,4)	2 (0,1)	10 (0,69)	6,0 (2,72)	11 (4,99)	12 (5,44)	16 (7,26)	27 (12,2)	4ϕ (21,ϕ)	32 (14,5)	56 (25,4)	
		20 (1,3ϕ)	ϕ,0 (3,63)	12 (5,44)	14 (6,35)	20 (9,07)	34 (15,4)	6ϕ (30,ϕ)	40 (1ϕ,1)	ϕ0 (36,3)	
		30 (2,07)	10 (4,54)	15 (6,ϕ0)	14 (6,35)	21 (9,53)	44 (20,0)	ϕϕ (39,9)	52 (23,6)	100 (45,4)	
		50 (3,45)	10 (4,54)	15 (6,ϕ0)	14 (6,35)	21 (9,53)	60 (27,2)	120 (54,4)	6ϕ (30,ϕ)	140 (63,5)	
		75 (5,17)	10 (4,54)	15 (6,ϕ0)	14 (6,35)	21 (9,53)	ϕ4 (3ϕ,1)	150 (6ϕ,0)	100 (45,4)	1ϕ0 (ϕ1,6)	
		100 (6,90)	10 (4,54)	15 (6,ϕ0)	14 (6,35)	21 (9,53)	100 (45,4)	170 (77,1)	120 (54,4)	200 (90,7)	
		150 (10,3)	11 (4,99)	16 (7,26)	15 (6,ϕ0)	22 (9,9ϕ)	100 (45,4)	1ϕ0 (ϕ1,6)	120 (54,4)	220 (99,ϕ)	
		200 (13,ϕ)	11 (4,99)	16 (7,26)	16 (7,26)	22 (9,9ϕ)	100 (45,4)	190 (ϕ6,2)	120 (54,4)	220 (99,ϕ)	
		250 (17,2)	13 (5,90)	17 (7,71)	1ϕ (ϕ,16)	24 (10,9)	100 (45,4)	190 (ϕ6,2)	120 (54,4)	220 (99,ϕ)	
	5 (0,3)	10 (0,69)	ϕ,0 (3,63)	15 (6,ϕ0)	16 (7,26)	24 (10,9)	44 (20,0)	6ϕ (30,ϕ)	52 (23,6)	ϕ0 (36,3)	
		20 (1,3ϕ)	12 (5,44)	21 (9,53)	20 (9,07)	30 (13,6)	76 (34,5)	140 (63,5)	ϕϕ (39,9)	160 (72,6)	
		30 (2,07)	16 (7,26)	24 (10,9)	22 (9,9ϕ)	34 (15,4)	92 (41,7)	170 (77,1)	110 (49,9)	200 (90,7)	
		50 (3,45)	1ϕ (ϕ,16)	24 (10,9)	24 (10,9)	34 (15,4)	140 (63,5)	220 (99,ϕ)	170 (77,1)	260 (11ϕ)	
		75 (5,17)	1ϕ (ϕ,16)	25 (11,3)	26 (11,ϕ)	36 (16,3)	150 (6ϕ,0)	270 (122)	1ϕ0 (ϕ1,6)	320 (145)	
		100 (6,90)	20 (9,07)	25 (11,3)	2ϕ (12,7)	36 (16,3)	170 (77,1)	290 (132)	200 (90,7)	340 (154)	
		150 (10,3)	20 (9,07)	25 (11,3)	2ϕ (12,7)	36 (16,3)	170 (77,1)	300 (136)	200 (90,7)	360 (163)	
		200 (13,ϕ)	20 (9,07)	25 (11,3)	2ϕ (12,7)	36 (16,3)	170 (77,1)	330 (150)	200 (90,7)	390 (177)	
		250 (17,2)	20 (9,07)	25 (11,3)	2ϕ (12,7)	36 (16,3)	170 (77,1)	330 (150)	200 (90,7)	400 (1ϕ1)	
	5 to 15 (0,3 to 1,0)	10 (0,7)	20 (1,3ϕ)	20 (9,07)	27 (12,2)	30 (13,6)	44 (20,0)	6ϕ (30,ϕ)	100 (45,4)	ϕ0 (36,3)	120 (54,4)
			30 (2,07)	24 (10,9)	34 (15,4)	36 (16,3)	4ϕ (21,ϕ)	ϕ4 (3ϕ,1)	170 (77,1)	100 (45,4)	200 (90,7)
			50 (3,45)	30 (13,6)	37 (16,ϕ)	40 (1ϕ,1)	56 (25,4)	110 (49,9)	210 (95,3)	130 (59,0)	250 (113)
			75 (5,17)	30 (13,6)	37 (16,ϕ)	40 (1ϕ,1)	56 (25,4)	190 (ϕ6,2)	340 (154)	220 (99,ϕ)	400 (1ϕ1)
100 (6,90)			30 (13,6)	40 (1ϕ,1)	40 (1ϕ,1)	56 (25,4)	260 (11ϕ)	370 (16ϕ)	300 (136)	440 (200)	
150 (10,3)			30 (13,6)	40 (1ϕ,1)	40 (1ϕ,1)	56 (25,4)	310 (141)	4ϕ0 (21ϕ)	360 (163)	560 (254)	
200 (13,ϕ)			30 (13,6)	40 (1ϕ,1)	40 (1ϕ,1)	56 (25,4)	340 (154)	520 (236)	400 (1ϕ1)	600 (272)	
250 (17,2)			30 (13,6)	40 (1ϕ,1)	40 (1ϕ,1)	56 (25,4)	340 (154)	520 (236)	400 (1ϕ1)	600 (272)	
15 (1,0)			20 (1,3ϕ)	1ϕ (ϕ,16)	2ϕ (12,7)	32 (14,5)	4ϕ (21,ϕ)	76 (34,5)	110 (49,9)	ϕϕ (39,9)	130 (59,0)
		30 (2,07)	2ϕ (12,7)	40 (1ϕ,1)	44 (20,0)	60 (27,2)	130 (59,0)	1ϕ0 (ϕ1,6)	150 (6ϕ,0)	210 (95,3)	
		50 (3,45)	36 (16,3)	4ϕ (21,ϕ)	52 (23,6)	64 (29,0)	200 (90,7)	290 (132)	240 (109)	340 (154)	
		75 (5,17)	40 (1ϕ,1)	4ϕ (21,ϕ)	56 (25,4)	6ϕ (30,ϕ)	270 (122)	370 (16ϕ)	320 (145)	440 (200)	
		100 (6,90)	40 (1ϕ,1)	52 (23,6)	56 (25,4)	72 (32,7)	340 (154)	520 (236)	400 (1ϕ1)	600 (272)	
		150 (10,3)	40 (1ϕ,1)	52 (23,6)	56 (25,4)	72 (32,7)	440 (200)	600 (272)	520 (236)	720 (327)	
		200 (13,ϕ)	40 (1ϕ,1)	52 (23,6)	56 (25,4)	72 (32,7)	440 (200)	600 (272)	520 (236)	720 (327)	
		250 (17,2)	40 (1ϕ,1)	52 (23,6)	56 (25,4)	72 (32,7)	440 (200)	600 (272)	520 (236)	720 (327)	

1. Capacities are in pounds/h (kg/h) of saturated steam.

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**Table 13. Steam Capacities<sup>(1)</sup> for 1/4 through 1-Inch (DN 25) Types 95L and 95LD Regulators with Stainless Steel Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)								
	Outlet Setting, Psig (bar)	Inlet Psig (bar)	1/4		1/2 (15)		3/4 (20)		1 (25)		
			Offset		Offset		Offset		Offset		
			10%	20%	10%	20%	10%	20%	10%	20%	
13 to 30 (0,9 to 2,1)	20 (1,4)	30 (2,07)	22 (9,9 $\phi$ )	34 (15,4)	44 (20,0)	60 (27,2)	100 (45,4)	100 (45,4)	120 (54,4)	1 $\phi$ 0 ( $\phi$ 1,6)	
		40 (2,76)	30 (13,6)	44 (20,0)	52 (23,6)	6 $\phi$ (30, $\phi$ )	150 (6 $\phi$ ,0)	150 (6 $\phi$ ,0)	1 $\phi$ 0 ( $\phi$ 1,6)	260 (11 $\phi$ )	
		50 (3,45)	36 (16,3)	52 (23,6)	56 (25,4)	72 (32,7)	1 $\phi$ 0 ( $\phi$ 1,6)	1 $\phi$ 0 ( $\phi$ 1,6)	220 (99, $\phi$ )	320 (145)	
		75 (5,17)	44 (20,0)	60 (27,2)	60 (27,2)	$\phi$ 0 (36,3)	270 (122)	270 (122)	320 (145)	440 (200)	
		100 (6,90)	44 (20,0)	60 (27,2)	64 (29,0)	$\phi$ 4 (3 $\phi$ ,1)	320 (145)	320 (145)	3 $\phi$ 0 (172)	600 (272)	
		150 (10,3)	44 (20,0)	60 (27,2)	64 (29,0)	$\phi$ 4 (3 $\phi$ ,1)	400 (1 $\phi$ 1)	400 (1 $\phi$ 1)	4 $\phi$ 0 (21 $\phi$ )	720 (327)	
			200 (13, $\phi$ )	60 (27,2)	64 (29,0)	64 (29,0)	$\phi$ 4 (3 $\phi$ ,1)	520 (236)	520 (236)	600 (272)	$\phi$ 00 (363)
			250 (17,2)	60 (27,2)	64 (29,0)	64 (29,0)	$\phi$ 4 (3 $\phi$ ,1)	520 (236)	520 (236)	600 (272)	$\phi$ 00 (363)
		25 (1,7)	40 (2,76)	36 (16,3)	4 $\phi$ (21, $\phi$ )	64 (29,0)	96 (43,5)	170 (77,1)	220 (99, $\phi$ )	200 (90,7)	260 (11 $\phi$ )
	50 (3,45)		4 $\phi$ (21, $\phi$ )	64 (29,0)	76 (34,5)	100 (45,4)	200 (90,7)	270 (122)	240 (109)	320 (145)	
	75 (5,17)		56 (25,4)	$\phi$ 0 (36,3)	$\phi$ 0 (36,3)	110 (49,9)	290 (132)	370 (16 $\phi$ )	340 (154)	440 (200)	
	100 (6,90)		60 (27,2)	100 (45,4)	$\phi$ 4 (3 $\phi$ ,1)	130 (59,0)	340 (154)	520 (236)	400 (1 $\phi$ 1)	600 (272)	
	150 (10,3)		64 (29,0)	100 (45,4)	$\phi$ $\phi$ (39,9)	130 (59,0)	400 (1 $\phi$ 1)	6 $\phi$ 0 (30 $\phi$ )	4 $\phi$ 0 (21 $\phi$ )	$\phi$ 00 (363)	
	200 (13, $\phi$ )		64 (29,0)	100 (45,4)	$\phi$ $\phi$ (39,9)	130 (59,0)	520 (236)	$\phi$ 40 (3 $\phi$ 1)	640 (290)	1000 (454)	
			250 (17,2)	64 (29,0)	100 (45,4)	$\phi$ $\phi$ (39,9)	130 (59,0)	520 (236)	$\phi$ 40 (3 $\phi$ 1)	640 (290)	1000 (454)
		30 (2,1)	40 (2,76)	36 (16,3)	4 $\phi$ (21, $\phi$ )	72 (32,7)	96 (43,5)	140 (63,5)	200 (90,7)	160 (72,6)	240 (109)
	50 (3,45)		4 $\phi$ (21, $\phi$ )	60 (27,2)	$\phi$ 0 (36,3)	110 (49,9)	170 (77,1)	260 (11 $\phi$ )	200 (90,7)	300 (136)	
	75 (5,17)		6 $\phi$ (30, $\phi$ )	92 (41,7)	92 (41,7)	130 (59,0)	2 $\phi$ 0 (127)	370 (16 $\phi$ )	340 (154)	440 (200)	
	100 (6,90)		72 (32,7)	100 (45,4)	96 (43,5)	140 (63,5)	340 (154)	520 (236)	400 (1 $\phi$ 1)	600 (272)	
	150 (10,3)		76 (34,5)	100 (45,4)	100 (45,4)	140 (63,5)	440 (200)	6 $\phi$ 0 (30 $\phi$ )	520 (236)	$\phi$ 00 (363)	
	200 (13, $\phi$ )		76 (34,5)	100 (45,4)	100 (45,4)	140 (63,5)	560 (254)	$\phi$ $\phi$ 0 (399)	6 $\phi$ 0 (30 $\phi$ )	1000 (454)	
			250 (17,2)	76 (34,5)	100 (45,4)	100 (45,4)	140 (63,5)	560 (254)	$\phi$ $\phi$ 0 (399)	6 $\phi$ 0 (30 $\phi$ )	1000 (454)

1. Capacities are in pounds/h (kg/h) of saturated steam.

**Table 14. Steam Capacities<sup>(1)</sup> for 1/4 through 1/2-Inch (DN 15) Types 95H and 95HD Regulators with Metal Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)						
	Outlet Setting, Psig (bar)	Inlet Psig (bar)	1/4			1/2 (15)			
			Offset			Offset			
			10%	20%	40%	10%	20%	40%	
15 to 30 (1,0 to 2,1)	15 (1,0)	30 (2,07)	20 (9,07)	30 (13,6)	39 (17,7)	27 (12,2)	42 (19,1)	66 (29,9)	
		40 (2,76)	23 (10,4)	30 (13,6)	36 (16,3)	27 (12,2)	45 (20,4)	69 (31,3)	
		50 (3,45)	25 (11,3)	36 (16,3)	39 (17,7)	27 (12,2)	45 (20,4)	66 (29,9)	
		75 (5,17)	33 (15,0)	45 (20,4)	60 (27,2)	36 (16,3)	54 (24,5)	$\phi$ 1 (36,7)	
		100 (6,90)	33 (15,0)	4 $\phi$ (21, $\phi$ )	75 (34,0)	42 (19,1)	63 (2 $\phi$ ,6)	$\phi$ 7 (39,5)	
		150 (10,3)	42 (19,1)	63 (2 $\phi$ ,6)	$\phi$ 4 (3 $\phi$ ,1)	54 (24,5)	72 (32,7)	96 (43,5)	
		200 (13, $\phi$ )	57 (25,9)	69 (31,3)	90 (40, $\phi$ )	66 (29,9)	$\phi$ 4 (3 $\phi$ ,1)	110 (49,9)	
		250 (17,2)	51 (23,1)	72 (32,7)	96 (43,5)	63 (2 $\phi$ ,6)	93 (42,2)	120 (54,4)	
		300 (20,7)	60 (27,2)	$\phi$ 1 (36,7)	99 (44,9)	$\phi$ 1 (36,7)	99 (44,9)	130 (59,0)	
		30 (2,1)	40 (2,76)	1 $\phi$ ( $\phi$ ,16)	23 (10,4)	33 (15,0)	45 (20,4)	69 (31,3)	110 (49,9)
	50 (3,45)		23 (10,4)	29 (13,2)	39 (17,7)	39 (17,7)	63 (2 $\phi$ ,6)	100 (45,4)	
	75 (5,17)		45 (20,4)	51 (23,1)	75 (34,0)	54 (24,5)	$\phi$ 4 (3 $\phi$ ,1)	130 (59,0)	
	100 (6,90)		4 $\phi$ (21, $\phi$ )	75 (34,0)	90 (40, $\phi$ )	60 (27,2)	90 (40, $\phi$ )	130 (59,0)	
	150 (10,3)		66 (29,9)	110 (49,9)	130 (59,0)	72 (32,7)	110 (49,9)	160 (72,6)	
	200 (13, $\phi$ )		$\phi$ 4 (3 $\phi$ ,1)	130 (59,0)	140 (63,5)	93 (42,2)	130 (59,0)	170 (77,1)	
	250 (17,2)		$\phi$ 4 (3 $\phi$ ,1)	120 (54,4)	150 (6 $\phi$ ,0)	110 (49,9)	140 (63,5)	190 ( $\phi$ 6,2)	
	300 (20,7)		96 (43,5)	140 (63,5)	150 (6 $\phi$ ,0)	120 (54,4)	150 (6 $\phi$ ,0)	200 (90,7)	
			50 (3,4)	60 (4,14)	30 (13,6)	39 (17,7)	51 (23,1)	36 (16,3)	60 (27,2)
75 (5,17)	36 (16,3)	4 $\phi$ (21, $\phi$ )		72 (32,7)	42 (19,1)	69 (31,3)	120 (54,4)		
100 (6,90)	42 (19,1)	69 (31,3)		96 (43,5)	63 (2 $\phi$ ,6)	$\phi$ 7 (39,5)	150 (6 $\phi$ ,0)		
150 (10,3)	63 (2 $\phi$ ,6)	99 (44,9)		140 (63,5)	75 (34,0)	110 (49,9)	170 (77,1)		
200 (13, $\phi$ )	7 $\phi$ (35,4)	140 (63,5)		1 $\phi$ 0 ( $\phi$ 1,6)	93 (42,2)	140 (63,5)	200 (90,7)		
250 (17,2)	110 (49,9)	170 (77,1)		200 (90,7)	93 (42,2)	140 (63,5)	210 (95,3)		
	75 (5,2)	300 (20,7)	120 (54,4)	190 ( $\phi$ 6,2)	210 (95,3)	110 (49,9)	150 (6 $\phi$ ,0)	220 (99, $\phi$ )	
100 (6,90)		4 $\phi$ (21, $\phi$ )	72 (32,7)	90 (40, $\phi$ )	69 (31,3)	110 (49,9)	190 ( $\phi$ 6,2)		
125 ( $\phi$ ,62)		66 (29,9)	96 (43,5)	110 (49,9)	7 $\phi$ (35,4)	130 (59,0)	220 (99, $\phi$ )		
150 (10,3)		75 (34,0)	120 (54,4)	140 (63,5)	96 (43,5)	140 (63,5)	230 (104)		
200 (13, $\phi$ )		110 (49,9)	160 (72,6)	1 $\phi$ 0 ( $\phi$ 1,6)	110 (49,9)	170 (77,1)	260 (11 $\phi$ )		
250 (17,2)		150 (6 $\phi$ ,0)	200 (90,7)	200 (90,7)	120 (54,4)	1 $\phi$ 0 ( $\phi$ 1,6)	290 (132)		
		300 (20,7)	150 (6 $\phi$ ,0)	230 (104)	270 (122)	140 (63,5)	210 (95,3)	300 (136)	

1. Capacities are based in pounds/h (kg/h) of saturated steam.

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# Bulletin 71.1:95

**Table 14. Steam Capacities<sup>(1)</sup> for 1/4 through 1/2-Inch (DN 15) Types 95H and 95HD Regulators with Metal Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
70 to 150 (4, $\phi$ to 10,3)	100 (6,9)	125 ( $\phi$ ,62)	60 (27,2)	$\phi$ 4 (3 $\phi$ ,1)	110 (49,9)	100 (45,4)	170 (77,1)	260 (11 $\phi$ )
		150 (10,3)	60 (27,2)	110 (49,9)	140 (63,5)	120 (54,4)	200 (90,7)	330 (150)
		175 (12,1)	7 $\phi$ (35,4)	120 (54,4)	160 (72,6)	140 (63,5)	230 (104)	360 (163)
		200 (13, $\phi$ )	$\phi$ 4 (3 $\phi$ ,1)	140 (63,5)	1 $\phi$ 0 ( $\phi$ 1,6)	160 (72,6)	250 (113)	390 (177)
		250 (17,2)	99 (44,9)	170 (77,1)	220 (99, $\phi$ )	130 (59,0)	270 (122)	420 (191)
	300 (20,7)	120 (54,4)	210 (95,3)	260 (11 $\phi$ )	240 (109)	330 (150)	450 (204)	
	125 ( $\phi$ ,6)	150 (10,3)	60 (27,2)	90 (40, $\phi$ )	130 (59,0)	160 (72,6)	250 (113)	330 (150)
		175 (12,1)	$\phi$ 4 (3 $\phi$ ,1)	130 (59,0)	150 (6 $\phi$ ,0)	150 (6 $\phi$ ,0)	270 (122)	390 (177)
		200 (13, $\phi$ )	100 (45,4)	130 (59,0)	1 $\phi$ 0 ( $\phi$ 1,6)	170 (77,1)	2 $\phi$ 0 (127)	420 (191)
		225 (15,5)	110 (49,9)	170 (77,1)	200 (90,7)	200 (90,7)	330 (150)	4 $\phi$ 0 (21 $\phi$ )
		250 (17,2)	110 (49,9)	190 ( $\phi$ 6,2)	220 (99, $\phi$ )	210 (95,3)	390 (177)	510 (231)
	300 (20,7)	140 (63,5)	220 (99, $\phi$ )	260 (11 $\phi$ )	210 (95,3)	390 (177)	570 (259)	
	150 (10,3)	175 (12,1)	75 (34,0)	110 (49,9)	150 (6 $\phi$ ,0)	170 (77,1)	290 (132)	360 (163)
		200 (13, $\phi$ )	90 (40, $\phi$ )	130 (59,0)	170 (77,1)	200 (90,7)	330 (150)	420 (191)
		225 (15,5)	99 (44,9)	160 (72,6)	200 (90,7)	210 (95,3)	360 (163)	4 $\phi$ 0 (21 $\phi$ )
250 (17,2)		120 (54,4)	190 ( $\phi$ 6,2)	220 (99, $\phi$ )	270 (122)	420 (191)	540 (245)	
300 (20,7)		160 (72,6)	230 (104)	250 (113)	260 (11 $\phi$ )	450 (204)	600 (272)	

1. Capacities are based in pounds/h (kg/h) of saturated steam.

**Table 14. Steam Capacities<sup>(1)</sup> for 3/4 through 1-Inch (DN 20 through 25) Types 95H and 95HD Regulators with Metal Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 30 (1,0 to 2,1)	15 (1,0)	30 (2,07)	66 (29,9)	93 (42,2)	150 (6 $\phi$ ,0)	66 (29,9)	99 (44,9)	160 (72,6)
		40 (2,76)	$\phi$ 1 (36,7)	110 (49,9)	190 ( $\phi$ 6,2)	7 $\phi$ (35,4)	130 (59,0)	200 (90,7)
		50 (3,45)	$\phi$ 7 (39,5)	130 (59,0)	200 (90,7)	100 (45,4)	160 (72,6)	250 (113)
		75 (5,17)	110 (49,9)	170 (77,1)	250 (113)	140 (63,5)	210 (95,3)	330 (150)
		100 (6,90)	120 (54,4)	1 $\phi$ 0 ( $\phi$ 1,6)	270 (122)	160 (72,6)	240 (109)	360 (163)
		150 (10,3)	150 (6 $\phi$ ,0)	210 (95,3)	300 (136)	210 (95,3)	300 (136)	450 (204)
		200 (13, $\phi$ )	1 $\phi$ 0 ( $\phi$ 1,6)	240 (109)	330 (150)	260 (11 $\phi$ )	360 (163)	4 $\phi$ 0 (21 $\phi$ )
	250 (17,2)	200 (90,7)	260 (11 $\phi$ )	330 (150)	260 (11 $\phi$ )	360 (163)	510 (231)	
	300 (20,7)	220 (99, $\phi$ )	290 (132)	360 (163)	300 (136)	420 (191)	540 (245)	
	30 (2,1)	40 (2,76)	$\phi$ 7 (39,5)	140 (63,5)	190 ( $\phi$ 6,2)	96 (43,5)	160 (72,6)	200 (90,7)
		50 (3,45)	120 (54,4)	1 $\phi$ 0 ( $\phi$ 1,6)	230 (104)	120 (54,4)	200 (90,7)	250 (113)
		75 (5,17)	170 (77,1)	260 (11 $\phi$ )	360 (163)	160 (72,6)	2 $\phi$ 0 (127)	360 (163)
		100 (6,90)	190 ( $\phi$ 6,2)	290 (132)	420 (191)	220 (99, $\phi$ )	330 (150)	4 $\phi$ 0 (21 $\phi$ )
		150 (10,3)	230 (104)	360 (163)	4 $\phi$ 0 (21 $\phi$ )	300 (136)	450 (204)	660 (299)
		200 (13, $\phi$ )	2 $\phi$ 0 (127)	360 (163)	510 (231)	360 (163)	540 (245)	7 $\phi$ 0 (354)
250 (17,2)		270 (122)	390 (177)	540 (245)	420 (191)	600 (272)	$\phi$ 10 (367)	
300 (20,7)		300 (136)	420 (191)	570 (259)	450 (204)	630 (2 $\phi$ 6)	$\phi$ 40 (3 $\phi$ 1)	
25 to 75 (1,7 to 5,2)	50 (3,4)	60 (4,14)	120 (54,4)	200 (90,7)	270 (122)	130 (59,0)	220 (99, $\phi$ )	2 $\phi$ 0 (127)
		75 (5,17)	1 $\phi$ 0 ( $\phi$ 1,6)	260 (11 $\phi$ )	360 (163)	190 ( $\phi$ 6,2)	290 (132)	360 (163)
		100 (6,90)	220 (99, $\phi$ )	330 (150)	450 (204)	210 (95,3)	390 (177)	4 $\phi$ 0 (21 $\phi$ )
		150 (10,3)	250 (113)	390 (177)	630 (2 $\phi$ 6)	4 $\phi$ 0 (21 $\phi$ )	540 (245)	720 (327)
		200 (13, $\phi$ )	330 (150)	510 (231)	720 (327)	450 (204)	720 (327)	930 (422)
	250 (17,2)	360 (163)	540 (245)	750 (340)	510 (231)	7 $\phi$ 0 (354)	1100 (499)	
	300 (20,7)	360 (163)	540 (245)	7 $\phi$ 0 (354)	570 (259)	$\phi$ 10 (367)	1100 (499)	
	75 (5,2)	100 (6,90)	240 (109)	360 (163)	450 (204)	260 (11 $\phi$ )	390 (177)	450 (204)
		125 ( $\phi$ ,62)	330 (150)	4 $\phi$ 0 (21 $\phi$ )	570 (259)	390 (177)	510 (231)	600 (272)
		150 (10,3)	360 (163)	540 (245)	660 (299)	390 (177)	630 (2 $\phi$ 6)	750 (340)
		200 (13, $\phi$ )	420 (191)	630 (2 $\phi$ 6)	720 (327)	510 (231)	4 $\phi$ 0 (3 $\phi$ 1)	960 (435)
		250 (17,2)	4 $\phi$ 0 (21 $\phi$ )	720 (327)	7 $\phi$ 0 (354)	660 (299)	990 (449)	1100 (499)
		300 (20,7)	4 $\phi$ 0 (21 $\phi$ )	750 (340)	$\phi$ 40 (3 $\phi$ 1)	690 (313)	1100 (499)	1400 (635)

1. Capacities are based in pounds/h (kg/h) of saturated steam.

- continued -



**Table 14. Steam Capacities<sup>(1)</sup> for 3/4 through 1-Inch (DN 20 through 25) Types 95H and 95HD Regulators with Metal Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
70 to 150 (4, $\phi$ to 10,3)	100 (6,9)	125 ( $\phi$ ,62)	260 (11 $\phi$ )	420 (191)	540 (245)	330 (150)	4 $\phi$ 0 (21 $\phi$ )	570 (259)
		150 (10,3)	360 (163)	540 (245)	660 (299)	420 (191)	600 (272)	690 (313)
		175 (12,1)	390 (177)	630 (2 $\phi$ 6)	7 $\phi$ 0 (354)	4 $\phi$ 0 (21 $\phi$ )	750 (340)	$\phi$ 40 (3 $\phi$ 1)
		200 (13, $\phi$ )	450 (204)	690 (313)	900 (40 $\phi$ )	4 $\phi$ 0 (21 $\phi$ )	$\phi$ 10 (367)	960 (435)
		250 (17,2)	450 (204)	750 (340)	1100 (499)	630 (2 $\phi$ 6)	1000 (454)	1200 (544)
		300 (20,7)	570 (259)	$\phi$ 70 (395)	1200 (544)	7 $\phi$ 0 (354)	1100 (499)	1400 (635)
	125 ( $\phi$ ,6)	150 (10,3)	360 (163)	540 (245)	630 (2 $\phi$ 6)	390 (177)	600 (272)	690 (313)
		175 (12,1)	390 (177)	630 (2 $\phi$ 6)	750 (340)	450 (204)	690 (313)	$\phi$ 10 (367)
		200 (13, $\phi$ )	4 $\phi$ 0 (21 $\phi$ )	750 (340)	$\phi$ 70 (395)	510 (231)	$\phi$ 40 (3 $\phi$ 1)	930 (422)
		225 (15,5)	510 (231)	$\phi$ 40 (3 $\phi$ 1)	990 (449)	570 (259)	900 (40 $\phi$ )	1100 (499)
		250 (17,2)	540 (245)	$\phi$ 70 (395)	1100 (499)	600 (272)	1000 (454)	1200 (544)
		300 (20,7)	630 (2 $\phi$ 6)	960 (435)	1400 (635)	7 $\phi$ 0 (354)	1200 (544)	1400 (635)
	150 (10,3)	175 (12,1)	420 (191)	600 (272)	$\phi$ 70 (395)	4 $\phi$ 0 (21 $\phi$ )	660 (299)	7 $\phi$ 0 (354)
		200 (13, $\phi$ )	4 $\phi$ 0 (21 $\phi$ )	720 (327)	$\phi$ 70 (395)	600 (272)	7 $\phi$ 0 (354)	900 (40 $\phi$ )
		225 (15,5)	600 (272)	$\phi$ 70 (395)	990 (449)	660 (299)	900 (40 $\phi$ )	1100 (499)
		250 (17,2)	600 (272)	900 (40 $\phi$ )	1100 (499)	7 $\phi$ 0 (354)	1100 (499)	1200 (544)
		300 (20,7)	690 (313)	1100 (499)	1400 (635)	930 (422)	1300 (590)	1400 (635)

1. Capacities are based in pounds/h (kg/h) of saturated steam.

**Table 15. Steam Capacities<sup>(1)</sup> for 1-1/2 through 2-Inch (DN 40 through 50) Types 95H and 95HD Regulators with Metal Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1-1/2 (40)			2 (50)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
5 to $\phi$ 0 (0,3 to 5,5)	5 (0,3)	10 (0,69)	4 $\phi$ (21, $\phi$ )	50 (22,7)	75 (34,0)	50 (22,7)	55 (24,9)	75 (34,0)
		20 (1,3 $\phi$ )	110 (49,9)	130 (59,0)	220 (99, $\phi$ )	90 (40, $\phi$ )	100 (45,4)	130 (59,0)
		30 (2,07)	130 (59,0)	150 (6 $\phi$ ,0)	250 (113)	170 (77,1)	230 (104)	370 (16 $\phi$ )
		50 (3,45)	1 $\phi$ 0 ( $\phi$ 1,6)	200 (90,7)	300 (136)	200 (90,7)	2 $\phi$ 0 (127)	450 (204)
		75 (5,17)	250 (113)	300 (136)	400 (1 $\phi$ 1)	2 $\phi$ 0 (127)	350 (159)	550 (249)
		100 (6,90)	330 (150)	400 (1 $\phi$ 1)	4 $\phi$ 0 (21 $\phi$ )	450 (204)	600 (272)	700 (31 $\phi$ )
		150 (10,3)	430 (195)	550 (249)	600 (272)	750 (340)	900 (40 $\phi$ )	1100 (499)
		200 (13, $\phi$ )	600 (272)	700 (31 $\phi$ )	$\phi$ 50 (3 $\phi$ 6)	$\phi$ 00 (363)	950 (431)	1100 (499)
		250 (17,2)	750 (340)	$\phi$ 50 (3 $\phi$ 6)	950 (431)	900 (40 $\phi$ )	1000 (454)	1100 (499)
		300 (20,7)	900 (40 $\phi$ )	1000 (454)	1100 (499)	950 (431)	1100 (499)	1200 (544)
	15 (1,0)	30 (2,07)	130 (59,0)	150 (6 $\phi$ ,0)	250 (113)	140 (63,5)	200 (90,7)	2 $\phi$ 0 (127)
		40 (2,76)	1 $\phi$ 0 ( $\phi$ 1,6)	230 (104)	400 (1 $\phi$ 1)	190 ( $\phi$ 6,2)	2 $\phi$ 0 (127)	400 (1 $\phi$ 1)
		50 (3,45)	230 (104)	300 (136)	4 $\phi$ 0 (21 $\phi$ )	240 (109)	350 (159)	600 (272)
		75 (5,17)	300 (136)	400 (1 $\phi$ 1)	650 (295)	350 (159)	540 (245)	1100 (499)
		100 (6,90)	3 $\phi$ 0 (172)	4 $\phi$ 0 (21 $\phi$ )	$\phi$ 00 (363)	500 (227)	750 (340)	1300 (590)
		150 (10,3)	500 (227)	610 (277)	1000 (454)	750 (340)	1000 (454)	1500 (6 $\phi$ 0)
		200 (13, $\phi$ )	750 (340)	950 (431)	1200 (544)	1000 (454)	1200 (544)	1600 (726)
		250 (17,2)	900 (40 $\phi$ )	1100 (499)	1400 (635)	1200 (544)	1400 (635)	1700 (771)
		300 (20,7)	1100 (499)	1300 (590)	1500 (6 $\phi$ 0)	1300 (590)	1500 (6 $\phi$ 0)	1 $\phi$ 00 ( $\phi$ 16)
		30 (2,1)	40 (2,76)	170 (77,1)	300 (136)	500 (227)	230 (104)	310 (141)
	50 (3,45)		230 (104)	450 (204)	700 (31 $\phi$ )	400 (1 $\phi$ 1)	500 (227)	750 (340)
	75 (5,17)		300 (136)	600 (272)	900 (40 $\phi$ )	750 (340)	1000 (454)	1300 (590)
	100 (6,90)		400 (1 $\phi$ 1)	750 (340)	1200 (544)	1200 (544)	1500 (6 $\phi$ 0)	1 $\phi$ 00 ( $\phi$ 16)
	150 (10,3)		600 (272)	1100 (499)	1 $\phi$ 00 ( $\phi$ 16)	2200 (99 $\phi$ )	2500 (1134)	2700 (1225)
200 (13, $\phi$ )	1000 (454)		1600 (726)	1900 ( $\phi$ 62)	2400 (10 $\phi$ 9)	2 $\phi$ 00 (1270)	2900 (1315)	
250 (17,2)	1300 (590)		1 $\phi$ 00 ( $\phi$ 16)	2100 (953)	2600 (1179)	2900 (1315)	3000 (1361)	
300 (20,7)	1500 (6 $\phi$ 0)		1900 ( $\phi$ 62)	2200 (99 $\phi$ )	2700 (1225)	3000 (1361)	3100 (1406)	

1. Capacities are based in pounds/h (kg/h) of saturated steam.

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# Bulletin 71.1:95

**Table 15. Steam Capacities<sup>(1)</sup> for 1-1/2 through 2-Inch (DN 40 through 50) Types 95H and 95HD Regulators with Metal Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1-1/2 (40)			2 (50)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
5 to $\phi$ 0 (0,3 to 5,5)	50 (3,4)	60 (4,14)	300 (136)	550 (249)	1000 (454)	330 (150)	600 (272)	1100 (499)
		75 (5,17)	450 (204)	700 (31 $\phi$ )	1600 (726)	600 (272)	1000 (454)	1 $\phi$ 00 ( $\phi$ 16)
		100 (6,90)	500 (227)	950 (431)	2300 (1043)	1000 (454)	2000 (907)	2 $\phi$ 00 (1270)
		150 (10,3)	640 (290)	1400 (635)	3100 (1406)	1500 (6 $\phi$ 0)	3400 (1542)	3 $\phi$ 00 (1724)
		200 (13, $\phi$ )	1100 (499)	1 $\phi$ 00 ( $\phi$ 16)	3200 (1452)	2200 (99 $\phi$ )	3 $\phi$ 00 (1724)	4200 (1905)
		250 (17,2)	1600 (726)	2300 (1043)	3300 (1497)	2 $\phi$ 00 (1270)	4000 (1 $\phi$ 14)	4300 (1950)
		300 (20,7)	2000 (907)	2600 (1179)	3400 (1542)	3300 (1497)	4200 (1905)	4500 (2041)
	75 (5,2)	100 (6,90)	700 (31 $\phi$ )	1100 (499)	2100 (952)	750 (340)	1400 (635)	2500 (1134)
		125 ( $\phi$ ,62)	$\phi$ 50 (3 $\phi$ 6)	1500 (6 $\phi$ 0)	2 $\phi$ 00 (1270)	1000 (454)	2300 (1043)	3300 (1497)
		150 (10,3)	1000 (454)	2000 (907)	3600 (1633)	1300 (590)	3500 (15 $\phi$ $\phi$ )	3 $\phi$ 00 (1724)
		200 (13, $\phi$ )	1200 (544)	2500 (1134)	4100 (1 $\phi$ 60)	2500 (1134)	4500 (2041)	4 $\phi$ 00 (2177)
		250 (17,2)	1700 (771)	2900 (1315)	4300 (1950)	3500 (15 $\phi$ $\phi$ )	5500 (2495)	5500 (2495)
		300 (20,7)	2200 (99 $\phi$ )	3300 (1497)	4400 (1996)	4500 (2041)	6000 (2722)	6000 (2722)
		60 to 120 (4,1 to $\phi$ ,3)	100 (6,9)	125 ( $\phi$ ,62)	550 (249)	1500 (6 $\phi$ 0)	2500 (1134)	600 (272)
150 (10,3)	1100 (499)			1900 ( $\phi$ 62)	3200 (1452)	1300 (590)	2300 (1043)	3600 (1633)
175 (12,1)	1300 (590)			2400 (10 $\phi$ 9)	3 $\phi$ 00 (1724)	1700 (771)	2600 (1179)	4500 (2041)
225 (15,5)	1400 (635)			3100 (1406)	4 $\phi$ 00 (2177)	1400 (635)	3100 (1406)	4 $\phi$ 00 (2177)
250 (17,2)	1700 (771)			3500 (15 $\phi$ $\phi$ )	5500 (2495)	2300 (1043)	3500 (15 $\phi$ $\phi$ )	6500 (294 $\phi$ )
300 (20,7)	2000 (907)			4400 (1996)	6000 (2722)	2 $\phi$ 00 (1270)	4000 (1 $\phi$ 14)	7500 (3402)
100 to 140 (6,9 to 9,7)	125 ( $\phi$ ,6)			150 (10,3)	1100 (499)	2000 (907)	3200 (1452)	1100 (499)
		175 (12,1)	1300 (590)	2400 (10 $\phi$ 9)	3700 (167 $\phi$ )	1600 (726)	2500 (1134)	3 $\phi$ 00 (1724)
		200 (13, $\phi$ )	1400 (635)	2700 (1225)	4500 (2041)	2000 (907)	3500 (15 $\phi$ $\phi$ )	4500 (2041)
		225 (15,5)	1500 (6 $\phi$ 0)	3000 (1361)	5000 (226 $\phi$ )	2300 (1043)	5000 (226 $\phi$ )	5500 (2495)
		250 (17,2)	1 $\phi$ 00 ( $\phi$ 16)	3500 (15 $\phi$ $\phi$ )	5500 (2495)	2 $\phi$ 00 (1270)	6000 (2722)	6500 (294 $\phi$ )
		300 (20,7)	2100 (953)	4300 (1950)	6500 (294 $\phi$ )	4300 (1950)	7500 (3402)	7500 (3402)
		120 to 150 ( $\phi$ ,3 to 10,3)	150 (10,3)	175 (12,1)	950 (431)	1600 (726)	2700 (1225)	1000 (454)
200 (13, $\phi$ )	1200 (544)			2200 (99 $\phi$ )	4000 (1 $\phi$ 14)	1200 (544)	2300 (1043)	4000 (1 $\phi$ 14)
225 (15,5)	1500 (6 $\phi$ 0)			3100 (1406)	5000 (226 $\phi$ )	1500 (6 $\phi$ 0)	3100 (1406)	5000 (226 $\phi$ )
250 (17,2)	1 $\phi$ 00 ( $\phi$ 16)			3500 (15 $\phi$ $\phi$ )	6000 (2722)	2500 (1134)	4 $\phi$ 00 (2177)	6000 (2722)
300 (20,7)	2300 (1043)			4500 (2041)	7500 (3402)	4300 (1950)	7000 (3175)	7500 (3402)

1. Capacities are based in pounds/h (kg/h) of saturated steam.

**Table 16. Steam Capacities<sup>(1)</sup> for 1/4 through 1/2-Inch (DN 15) Type 95HT Regulators with Metal Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)						
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)			
			Offset			Offset			
		Psig (bar)	10%	20%	40%	10%	20%	40%	
15 to 100 (1,0 to 6,9)	15 (1,0)	30 (2,07)	9 (4,0 $\phi$ )	17 (7,71)	26 (11, $\phi$ )	1 $\phi$ ( $\phi$ ,16)	26 (11, $\phi$ )	42 (19,1)	
		40 (2,76)	11 (4,99)	17 (7,71)	30 (13,6)	19 ( $\phi$ ,62)	27 (12,2)	45 (20,4)	
		50 (3,45)	11 (4,99)	1 $\phi$ ( $\phi$ ,16)	36 (16,3)	21 (9,53)	36 (16,3)	51 (23,1)	
		75 (5,17)	16 (7,26)	23 (10,4)	39 (17,7)	27 (12,2)	45 (20,4)	54 (24,5)	
		100 (6,90)	24 (10,9)	36 (16,3)	60 (27,2)	33 (15,0)	51 (23,1)	7 $\phi$ (35,4)	
		150 (10,3)	33 (15,0)	4 $\phi$ (21, $\phi$ )	72 (32,7)	51 (23,1)	69 (31,3)	93 (42,2)	
		200 (13, $\phi$ )	36 (16,3)	51 (23,1)	$\phi$ 4 (3 $\phi$ ,1)	63 (2 $\phi$ ,6)	$\phi$ 4 (3 $\phi$ ,1)	110 (49,9)	
		250 (17,2)	45 (20,4)	63 (2 $\phi$ ,6)	$\phi$ 7 (39,5)	72 (32,7)	90 (40, $\phi$ )	110 (49,9)	
		300 (20,7)	51 (23,1)	69 (31,3)	$\phi$ 7 (39,5)	$\phi$ 1 (36,7)	99 (44,9)	120 (54,4)	
		400 (27,6)	54 (24,5)	69 (31,3)	$\phi$ 7 (39,5)	99 (44,9)	110 (49,9)	130 (59,0)	
		500 (34,5)	57 (25,9)	72 (32,7)	90 (40, $\phi$ )	120 (54,4)	130 (59,0)	140 (63,5)	
		600 (41,4)	63 (2 $\phi$ ,6)	7 $\phi$ (35,4)	96 (43,5)	140 (63,5)	140 (63,5)	150 (6 $\phi$ ,0)	
		30 (2,1)	40 (2,76)	13 (5,90)	23 (10,4)	33 (15,0)	27 (12,2)	45 (20,4)	57 (25,9)
			50 (3,45)	15 (6, $\phi$ 0)	27 (12,2)	4 $\phi$ (21, $\phi$ )	36 (16,3)	4 $\phi$ (21, $\phi$ )	60 (27,2)
	75 (5,17)		21 (9,53)	36 (16,3)	63 (2 $\phi$ ,6)	39 (17,7)	63 (2 $\phi$ ,6)	110 (49,9)	
	100 (6,90)		24 (10,9)	51 (23,1)	$\phi$ 7 (39,5)	54 (24,5)	7 $\phi$ (35,4)	120 (54,4)	
	150 (10,3)		42 (19,1)	75 (34,0)	110 (49,9)	63 (2 $\phi$ ,6)	96 (43,5)	140 (63,5)	
	200 (13, $\phi$ )		60 (27,2)	90 (40, $\phi$ )	130 (59,0)	7 $\phi$ (35,4)	110 (49,9)	150 (6 $\phi$ ,0)	

1. Capacities are based in pounds/h (kg/h) of saturated steam.

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**Table 16. Steam Capacities<sup>(1)</sup> for 1/4 through 1/2-Inch (DN 15) Type 95HT Regulators with Metal Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)						
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)			
			Offset			Offset			
		Psig (bar)	10%	20%	40%	10%	20%	40%	
15 to 100 (1,0 to 6,9)	30 (2,1)	250 (17,2)	66 (29,9)	99 (44,9)	130 (59,0)	90 (40,φ)	120 (54,4)	170 (77,1)	
		300 (20,7)	72 (32,7)	110 (49,9)	130 (59,0)	110 (49,9)	140 (63,5)	1φ0 (φ1,6)	
		400 (27,6)	φ4 (3φ,1)	120 (54,4)	130 (59,0)	120 (54,4)	160 (72,6)	190 (φ6,2)	
		500 (34,5)	φ4 (3φ,1)	120 (54,4)	130 (59,0)	140 (63,5)	1φ0 (φ1,6)	190 (φ6,2)	
		600 (41,4)	φ4 (3φ,1)	120 (54,4)	130 (59,0)	160 (72,6)	190 (φ6,2)	210 (95,3)	
	75 (5,2)	100 (6,90)	45 (20,4)	75 (34,0)	96 (43,5)	φ4 (3φ,1)	150 (6φ,0)	220 (99,φ)	
		125 (φ,62)	60 (27,2)	96 (43,5)	120 (54,4)	110 (49,9)	170 (77,1)	260 (11φ)	
		150 (10,3)	72 (32,7)	120 (54,4)	140 (63,5)	120 (54,4)	190 (φ6,2)	300 (136)	
		200 (13,φ)	99 (44,9)	140 (63,5)	190 (φ6,2)	150 (6φ,0)	230 (104)	330 (150)	
		250 (17,2)	120 (54,4)	190 (φ6,2)	230 (104)	160 (72,6)	240 (109)	330 (150)	
		300 (20,7)	150 (φ6,0)	220 (99,φ)	250 (113)	170 (77,1)	260 (11φ)	360 (163)	
		400 (27,6)	170 (77,1)	250 (113)	270 (122)	200 (90,7)	2φ0 (127)	390 (177)	
		600 (41,4)	200 (90,7)	2φ0 (127)	290 (132)	210 (95,3)	300 (136)	390 (177)	
	100 (6,9)	125 (φ,62)	60 (27,2)	96 (43,5)	120 (54,4)	120 (54,4)	200 (90,7)	270 (122)	
		150 (10,3)	93 (42,2)	120 (54,4)	140 (63,5)	150 (6φ,0)	240 (109)	330 (150)	
		175 (12,1)	110 (49,9)	150 (6φ,0)	170 (77,1)	170 (77,1)	260 (11φ)	390 (177)	
		200 (13,φ)	140 (63,5)	170 (77,1)	190 (φ6,2)	170 (77,1)	2φ0 (127)	420 (191)	
		250 (17,2)	150 (6φ,0)	200 (90,7)	230 (104)	200 (90,7)	300 (136)	450 (204)	
		300 (20,7)	1φ0 (φ1,6)	250 (113)	270 (122)	220 (99,φ)	330 (150)	4φ0 (21φ)	
		400 (27,6)	210 (95,3)	300 (136)	330 (150)	230 (104)	360 (163)	510 (231)	
		600 (41,4)	230 (104)	330 (150)	360 (163)	260 (11φ)	390 (177)	510 (231)	
	φ0 to 300 (5,5 to 20,7)	125 (φ,6)	150 (10,3)	63 (2φ,6)	φ4 (3φ,1)	120 (54,4)	90 (40,φ)	160 (72,6)	260 (11φ)
			175 (12,1)	66 (29,9)	96 (43,5)	140 (63,5)	110 (49,9)	1φ0 (φ1,6)	290 (132)
			200 (13,φ)	φ4 (3φ,1)	120 (54,4)	170 (77,1)	120 (54,4)	200 (90,7)	330 (150)
225 (15,5)			93 (42,2)	130 (59,0)	1φ0 (φ1,6)	120 (54,4)	200 (90,7)	330 (150)	
250 (17,2)			99 (44,9)	150 (6φ,0)	200 (90,7)	130 (59,0)	210 (95,3)	360 (163)	
300 (20,7)			110 (49,9)	170 (77,1)	240 (109)	160 (72,6)	250 (113)	420 (191)	
400 (27,6)			160 (72,6)	230 (104)	330 (150)	200 (90,7)	300 (136)	450 (204)	
600 (41,4)			190 (φ6,2)	290 (132)	390 (177)	240 (109)	360 (163)	540 (245)	
200 (13,φ)		225 (15,5)	96 (43,5)	140 (63,5)	190 (φ6,2)	170 (77,1)	2φ0 (127)	450 (204)	
		250 (17,2)	110 (49,9)	160 (72,6)	220 (99,φ)	170 (77,1)	300 (136)	510 (231)	
		300 (20,7)	130 (59,0)	200 (90,7)	260 (11φ)	200 (90,7)	330 (150)	570 (259)	
		350 (24,1)	140 (63,5)	230 (104)	300 (136)	230 (104)	390 (177)	600 (272)	
		400 (27,6)	170 (77,1)	260 (11φ)	360 (163)	260 (11φ)	420 (191)	660 (299)	
		450 (31,0)	190 (φ6,2)	290 (132)	390 (177)	290 (132)	450 (204)	720 (327)	
		500 (34,5)	200 (90,7)	330 (150)	450 (204)	330 (150)	510 (231)	7φ0 (354)	
		600 (41,4)	220 (99,φ)	390 (177)	540 (245)	330 (150)	570 (259)	900 (40φ)	
φ0 to 300 (5,5 to 20,7)	250 (17,2)	275 (19,0)	120 (54,4)	170 (77,1)	230 (104)	230 (104)	360 (163)	570 (259)	
		300 (20,7)	130 (59,0)	200 (90,7)	250 (113)	220 (99,φ)	390 (177)	600 (272)	
		350 (24,1)	150 (6φ,0)	230 (104)	300 (136)	240 (109)	420 (191)	690 (313)	
		400 (27,6)	160 (72,6)	260 (11φ)	360 (163)	2φ0 (127)	4φ0 (21φ)	7φ0 (354)	
		450 (31,0)	170 (77,1)	290 (132)	390 (177)	290 (132)	510 (231)	φ40 (3φ1)	
		500 (34,5)	190 (φ6,2)	330 (150)	450 (204)	300 (136)	540 (245)	930 (422)	
		550 (37,9)	200 (90,7)	360 (163)	4φ0 (21φ)	330 (150)	600 (272)	1000 (454)	
	600 (41,4)	220 (99,φ)	390 (177)	540 (245)	360 (163)	600 (272)	1100 (499)		
	300 (20,7)	350 (24,1)	160 (72,6)	230 (104)	230 (104)	270 (122)	4φ0 (21φ)	720 (327)	
		400 (27,6)	170 (77,1)	260 (11φ)	260 (11φ)	290 (132)	510 (231)	φ40 (3φ1)	
		450 (31,0)	1φ0 (φ1,6)	300 (136)	300 (136)	300 (136)	540 (245)	930 (422)	
		500 (34,5)	190 (φ6,2)	330 (150)	330 (150)	330 (150)	570 (259)	1000 (454)	
		550 (37,9)	200 (90,7)	360 (163)	360 (163)	330 (150)	600 (272)	1100 (499)	
		600 (41,4)	220 (99,φ)	390 (177)	390 (177)	360 (163)	630 (2φ6)	1200 (544)	

1. Capacities are based in pounds/hour (kg/h) of saturated steam.

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# Bulletin 71.1:95

**Table 16. Steam Capacities<sup>(1)</sup> for 3/4 through 1-Inch (DN 20 through 25) Type 95HT Regulators with Metal Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 100 (1,0 to 6,9)	15 (1,0)	30 (2,07)	39 (17,7)	54 (24,5)	φ7 (39,5)	36 (16,3)	4φ (21,φ)	75 (34,0)
		40 (2,76)	39 (17,7)	63 (2φ,6)	φ7 (39,5)	39 (17,7)	60 (27,2)	90 (40,φ)
		50 (3,45)	45 (20,4)	72 (32,7)	100 (45,4)	57 (25,9)	φ1 (36,7)	110 (49,9)
		75 (5,17)	72 (32,7)	96 (43,5)	140 (63,5)	7φ (35,4)	110 (49,9)	160 (72,6)
		100 (6,90)	93 (42,2)	130 (59,0)	1φ0 (φ1,6)	90 (40,φ)	140 (63,5)	210 (95,3)
		150 (10,3)	120 (54,4)	150 (6φ,0)	230 (104)	140 (63,5)	190 (φ6,2)	290 (132)
		200 (13,φ)	140 (63,5)	190 (φ6,2)	250 (113)	170 (77,1)	230 (104)	360 (163)
		250 (17,2)	170 (77,1)	210 (95,3)	2φ0 (127)	200 (90,7)	270 (122)	390 (177)
		300 (20,7)	200 (90,7)	240 (109)	300 (136)	230 (104)	300 (136)	420 (191)
	400 (27,6)	250 (113)	290 (132)	360 (163)	270 (122)	360 (163)	510 (231)	
	500 (34,5)	300 (136)	330 (150)	390 (177)	330 (150)	420 (191)	600 (272)	
	600 (41,4)	360 (163)	390 (177)	450 (204)	360 (163)	4φ0 (21φ)	660 (299)	
	30 (2,1)	40 (2,76)	51 (23,1)	φ4 (3φ,1)	140 (63,5)	57 (25,9)	φ7 (39,5)	140 (63,5)
		50 (3,45)	66 (29,9)	110 (49,9)	170 (77,1)	69 (31,3)	99 (44,9)	170 (77,1)
		75 (5,17)	90 (40,φ)	140 (63,5)	220 (99,φ)	99 (44,9)	140 (63,5)	250 (113)
		100 (6,90)	120 (54,4)	1φ0 (φ1,6)	290 (132)	120 (54,4)	1φ0 (φ1,6)	330 (150)
		150 (10,3)	150 (6φ,0)	220 (99,φ)	360 (163)	190 (φ6,2)	290 (132)	450 (204)
		200 (13,φ)	1φ0 (φ1,6)	270 (122)	420 (191)	200 (90,7)	330 (150)	540 (245)
		250 (17,2)	220 (99,φ)	300 (136)	420 (191)	240 (109)	420 (191)	600 (272)
		300 (20,7)	260 (11φ)	360 (163)	4φ0 (21φ)	270 (122)	450 (204)	660 (299)
		400 (27,6)	330 (150)	420 (191)	540 (245)	360 (163)	540 (245)	750 (340)
	500 (34,5)	390 (177)	450 (204)	630 (2φ6)	450 (204)	660 (299)	900 (40φ)	
	600 (41,4)	450 (204)	510 (231)	660 (299)	510 (231)	720 (327)	960 (435)	
	75 (5,2)	100 (6,90)	190 (φ6,2)	330 (150)	450 (204)	190 (φ6,2)	300 (136)	420 (191)
		125 (φ,62)	220 (99,φ)	360 (163)	540 (245)	240 (109)	420 (191)	570 (259)
		150 (10,3)	2φ0 (127)	450 (204)	660 (299)	290 (132)	510 (231)	690 (313)
		200 (13,φ)	330 (150)	540 (245)	φ10 (367)	390 (177)	660 (299)	930 (422)
		250 (17,2)	390 (177)	630 (2φ6)	930 (422)	4φ0 (21φ)	7φ0 (354)	1100 (499)
		300 (20,7)	420 (191)	660 (299)	990 (449)	510 (231)	900 (40φ)	1300 (590)
		400 (27,6)	510 (231)	750 (340)	1100 (499)	600 (272)	960 (435)	1700 (771)
		500 (34,5)	600 (272)	φ70 (395)	1200 (544)	720 (327)	1100 (499)	2100 (953)
		600 (41,4)	720 (327)	930 (422)	1300 (590)	750 (340)	1200 (544)	2500 (1134)
	100 (6,9)	125 (φ,62)	260 (11φ)	420 (191)	540 (245)	260 (11φ)	450 (204)	540 (245)
		150 (10,3)	330 (150)	540 (245)	660 (299)	330 (150)	570 (259)	690 (313)
		175 (12,1)	360 (163)	600 (272)	7φ0 (354)	420 (191)	690 (313)	7φ0 (354)
		200 (13,φ)	390 (177)	660 (299)	900 (40φ)	4φ0 (21φ)	7φ0 (354)	930 (422)
250 (17,2)		4φ0 (21φ)	7φ0 (354)	1100 (499)	600 (272)	990 (449)	1200 (544)	
300 (20,7)		540 (245)	φ70 (395)	1300 (590)	630 (2φ6)	1100 (499)	1400 (635)	
400 (27,6)		660 (299)	960 (435)	1400 (635)	φ40 (3φ1)	1400 (635)	1900 (φ62)	
500 (34,5)		750 (340)	1100 (499)	1600 (726)	1100 (499)	1700 (771)	2300 (1043)	
600 (41,4)		φ70 (395)	1100 (499)	1700 (771)	1300 (590)	2000 (907)	2900 (1315)	
φ0 to 300 (5,5 to 20,7)	125 (φ,6)	150 (10,3)	210 (95,3)	330 (150)	570 (259)	230 (104)	390 (177)	600 (272)
		175 (12,1)	210 (95,3)	390 (177)	630 (2φ6)	230 (104)	390 (177)	690 (313)
		200 (13,φ)	290 (132)	450 (204)	720 (327)	260 (11φ)	450 (204)	750 (340)
		225 (15,5)	300 (136)	4φ0 (21φ)	φ10 (367)	290 (132)	4φ0 (21φ)	φ70 (395)
		250 (17,2)	360 (163)	570 (259)	φ70 (395)	300 (136)	540 (245)	960 (435)
		300 (20,7)	390 (177)	600 (272)	990 (449)	360 (163)	690 (313)	1100 (499)
		400 (27,6)	4φ0 (21φ)	750 (340)	1200 (544)	510 (231)	φ70 (395)	1400 (635)
		500 (34,5)	540 (245)	900 (40φ)	1400 (635)	630 (2φ6)	1100 (499)	1φ00 (φ16)
		600 (41,4)	600 (272)	1000 (454)	1600 (726)	7φ0 (354)	1300 (590)	2100 (953)
	200 (13,φ)	225 (15,5)	330 (150)	600 (272)	900 (40φ)	360 (163)	630 (2φ6)	930 (422)
		250 (17,2)	420 (191)	720 (327)	1100 (499)	420 (191)	690 (313)	1100 (499)
		300 (20,7)	510 (231)	φ40 (3φ1)	1300 (590)	540 (245)	930 (422)	1300 (590)
		350 (24,1)	630 (2φ6)	1000 (454)	1500 (6φ0)	600 (272)	1100 (499)	1700 (771)
		400 (27,6)	630 (2φ6)	1100 (499)	1700 (771)	660 (299)	1200 (544)	1φ00 (φ16)
		450 (31,0)	750 (340)	1200 (544)	1900 (φ62)	750 (340)	1400 (635)	2100 (953)
		500 (34,5)	φ10 (367)	1400 (635)	2000 (907)	φ10 (367)	1500 (6φ0)	2300 (1043)
		600 (41,4)	900 (40φ)	1500 (6φ0)	2300 (1043)	900 (40φ)	1φ00 (φ16)	2700 (1225)

1. Capacities are based in pounds/hour (kg/h) of saturated steam.

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**Table 16. Steam Capacities<sup>(1)</sup> for 3/4 through 1-Inch (DN 20 through 25) Type 95HT Regulators with Metal Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
ϕ0 to 300 (5,5 to 20,7)	250 (17,2)	275 (19,0)	450 (204)	750 (340)	1100 (499)	4ϕ0 (21ϕ)	ϕ10 (367)	1100 (499)
		300 (20,7)	540 (245)	900 (40ϕ)	1200 (544)	510 (231)	930 (422)	1300 (590)
		350 (24,1)	660 (299)	1100 (499)	1500 (6ϕ0)	720 (327)	1200 (544)	1500 (6ϕ0)
		400 (27,6)	660 (299)	1100 (499)	1700 (771)	720 (327)	1300 (590)	1ϕ00 (ϕ16)
		450 (31,0)	750 (340)	1300 (590)	1ϕ00 (ϕ16)	ϕ40 (3ϕ1)	1500 (6ϕ0)	2000 (907)
		500 (34,5)	7ϕ0 (354)	1300 (590)	2000 (907)	930 (422)	1700 (771)	2300 (1043)
		550 (37,9)	ϕ10 (367)	1400 (635)	2200 (99ϕ)	1000 (454)	1900 (ϕ62)	2600 (1179)
	600 (41,4)	930 (422)	1600 (726)	2400 (10ϕ9)	1100 (499)	2000 (907)	2ϕ00 (1270)	
	300 (20,7)	350 (24,1)	630 (2ϕ6)	1100 (499)	1400 (635)	660 (299)	1100 (499)	1500 (6ϕ0)
		400 (27,6)	720 (327)	1200 (544)	1700 (771)	7ϕ0 (354)	1400 (635)	1700 (771)
		450 (31,0)	ϕ10 (367)	1400 (635)	2000 (907)	930 (422)	1700 (771)	2100 (953)
		500 (34,5)	900 (40ϕ)	1500 (6ϕ0)	2300 (1043)	1100 (499)	1900 (ϕ62)	2400 (10ϕ9)
		550 (37,9)	990 (449)	1700 (771)	2600 (1179)	1200 (544)	2200 (99ϕ)	2700 (1225)
		600 (41,4)	1100 (499)	1ϕ00 (ϕ16)	2900 (1315)	1300 (590)	2400 (10ϕ9)	3000 (1361)

1. Capacities are based in pounds/hour (kg/h) of saturated steam.

**Table 17. Steam Capacities<sup>(1)</sup> for 1-1/2 through 2-Inch (DN 40 through 50) Type 95HT Regulators with Metal Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1-1/2 (40)			2 (50)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 100 (1,0 to 6,9)	15 (1,0)	30 (2,07)	90 (40,ϕ)	140 (63,5)	190 (ϕ6,2)	100 (45,4)	150 (6ϕ,0)	200 (90,7)
		40 (2,76)	190 (ϕ6,2)	250 (113)	350 (159)	200 (90,7)	300 (136)	400 (1ϕ1)
		50 (3,45)	230 (104)	300 (136)	400 (1ϕ1)	250 (113)	400 (1ϕ1)	600 (272)
		75 (5,17)	290 (132)	400 (1ϕ1)	550 (249)	400 (1ϕ1)	600 (272)	1000 (454)
		100 (6,90)	350 (159)	4ϕ0 (21ϕ)	700 (31ϕ)	500 (227)	7ϕ0 (354)	1300 (590)
		150 (10,3)	500 (227)	650 (295)	950 (431)	1000 (454)	1300 (590)	1600 (726)
		200 (13,ϕ)	700 (31ϕ)	900 (40ϕ)	1200 (544)	1600 (726)	1700 (771)	1ϕ00 (ϕ16)
		250 (17,2)	900 (40ϕ)	1100 (499)	1400 (635)	1600 (726)	1700 (771)	1900 (ϕ62)
		300 (20,7)	1100 (499)	1300 (590)	1500 (6ϕ0)	1600 (726)	1700 (771)	1900 (ϕ62)
		400 (27,6)	1300 (590)	1400 (635)	1600 (726)	1600 (726)	1700 (771)	1900 (ϕ62)
	500 (34,5)	1400 (635)	1500 (6ϕ0)	1700 (771)	1700 (771)	1ϕ00 (ϕ16)	1900 (ϕ62)	
	600 (41,4)	1500 (6ϕ0)	1600 (726)	1ϕ00 (ϕ16)	1700 (771)	1ϕ00 (ϕ16)	2000 (907)	
	30 (2,1)	40 (2,76)	220 (99,ϕ)	320 (145)	550 (249)	230 (104)	350 (159)	630 (2ϕ6)
		50 (3,45)	270 (122)	3ϕ0 (172)	650 (295)	2ϕ0 (127)	450 (204)	750 (340)
		75 (5,17)	330 (150)	4ϕ0 (21ϕ)	ϕ50 (3ϕ6)	400 (1ϕ1)	700 (31ϕ)	1300 (590)
		100 (6,90)	400 (1ϕ1)	600 (272)	1100 (499)	600 (272)	1200 (544)	2000 (907)
		150 (10,3)	600 (272)	950 (431)	1500 (6ϕ0)	1ϕ00 (ϕ16)	2200 (99ϕ)	2500 (1134)
		200 (13,ϕ)	ϕ50 (3ϕ6)	1400 (635)	1ϕ00 (ϕ16)	2500 (1134)	2600 (1179)	2ϕ00 (1270)
		250 (17,2)	1200 (544)	1ϕ00 (ϕ16)	2000 (907)	2700 (1225)	2ϕ00 (1270)	3000 (1361)
		300 (20,7)	1400 (635)	2000 (907)	2200 (99ϕ)	2ϕ00 (1270)	2900 (1315)	3100 (1406)
		400 (27,6)	1700 (771)	2100 (953)	2400 (10ϕ9)	2ϕ00 (1270)	3000 (1361)	3200 (1452)
		500 (34,5)	1900 (ϕ62)	2100 (953)	2500 (1134)	2900 (1315)	3100 (1406)	3200 (1452)
	600 (41,4)	2000 (907)	2200 (99ϕ)	2600 (1179)	2900 (1315)	3100 (1406)	3300 (1497)	
	50 (3,4)	60 (4,14)	330 (150)	550 (249)	1100 (499)	400 (1ϕ1)	630 (2ϕ6)	1400 (635)
75 (5,17)		430 (195)	650 (295)	1400 (635)	ϕ50 (3ϕ6)	1100 (499)	2000 (907)	
100 (6,90)		600 (272)	900 (40ϕ)	1ϕ00 (ϕ16)	1500 (6ϕ0)	1ϕ00 (ϕ16)	2500 (1134)	
150 (10,3)		900 (40ϕ)	1400 (635)	2400 (10ϕ9)	2500 (1134)	2ϕ00 (1270)	3500 (15ϕϕ)	
200 (13,ϕ)		1200 (544)	1900 (ϕ62)	2900 (1315)	3200 (1452)	3700 (167ϕ)	4100 (1ϕ60)	
250 (17,2)		1500 (6ϕ0)	2300 (1043)	3100 (1406)	3600 (1633)	4000 (1ϕ14)	4400 (1996)	
300 (20,7)		1ϕ00 (ϕ16)	2500 (1134)	3300 (1497)	3900 (1769)	4300 (1950)	4600 (20ϕ7)	
400 (27,6)		2300 (1043)	2900 (1315)	3300 (1497)	4200 (1905)	4500 (2041)	4700 (2132)	
500 (34,5)		2700 (1225)	3100 (1406)	3500 (15ϕϕ)	4400 (1996)	4600 (20ϕ7)	4900 (2223)	
600 (41,4)		3000 (1361)	3400 (1542)	3600 (1633)	4600 (20ϕ7)	4ϕ00 (2177)	5000 (226ϕ)	

1. Capacities are based in pounds/hour (kg/h) of saturated steam.

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# Bulletin 71.1:95

**Table 17. Steam Capacities<sup>(1)</sup> for 1-1/2 through 2-Inch (DN 40 through 50) Type 95HT Regulators with Metal Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1-1/2 (40)			2 (50)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 100 (1,0 to 6,9)	100 (6,9)	125 (φ,62)	1000 (454)	1600 (726)	3000 (1361)	2000 (907)	2300 (1043)	3500 (15φφ)
		150 (10,3)	1200 (544)	1900 (φ62)	3600 (1633)	2500 (1134)	3200 (1452)	4300 (1950)
		200 (13,φ)	1500 (6φ0)	2φ00 (1270)	4600 (20φ7)	4100 (1φ60)	4900 (2223)	5400 (2449)
		250 (17,2)	1900 (φ62)	3300 (1497)	4φ00 (2177)	4900 (2223)	5500 (2495)	6100 (2767)
		300 (20,7)	2400 (10φ9)	3φ00 (1724)	4900 (2223)	5400 (2449)	5900 (2676)	6400 (2903)
		400 (27,6)	3300 (1497)	4300 (1950)	5000 (226φ)	5900 (2676)	6300 (2φ5φ)	6700 (3039)
		500 (34,5)	3φ00 (1724)	4φ00 (2177)	5100 (2313)	6400 (2903)	6500 (294φ)	6φ00 (30φ4)
		600 (41,4)	4100 (1φ60)	5200 (2359)	5300 (2404)	6700 (3039)	6φ00 (30φ4)	6900 (3130)
60 to 260 (4,1 to 17,9)	100 (6,9)	125 (φ,62)	φ00 (363)	1300 (590)	2500 (1134)	φ50 (3φ6)	1300 (590)	3000 (1361)
		150 (10,3)	900 (40φ)	1500 (6φ0)	2φ00 (1270)	900 (40φ)	1500 (6φ0)	3500 (15φφ)
		175 (12,1)	1000 (454)	1700 (771)	3200 (1452)	1000 (454)	1700 (771)	4000 (1φ14)
		225 (15,5)	1100 (499)	1900 (φ62)	3600 (1633)	1100 (499)	2000 (907)	4φ00 (2177)
		250 (17,2)	1500 (6φ0)	2100 (953)	4000 (1φ14)	1600 (726)	2500 (1134)	5600 (2540)
		300 (20,7)	1φ00 (φ16)	2600 (1179)	4φ00 (2177)	2500 (1134)	3φ00 (1724)	6φ00 (30φ4)
		400 (27,6)	2100 (953)	3600 (1633)	6000 (2722)	4φ00 (2177)	6φ00 (30φ4)	φ300 (3765)
		500 (34,5)	2400 (10φ9)	4300 (1950)	6500 (294φ)	5500 (2495)	φ000 (3629)	9300 (421φ)
	600 (41,4)	2600 (1179)	4φ00 (2177)	7000 (3175)	6300 (2φ5φ)	φ500 (3φ56)	9φ00 (4445)	
	200 (13,φ)	225 (15,5)	1300 (590)	2500 (1134)	4600 (20φ7)	1400 (635)	2600 (1179)	5300 (2404)
		250 (17,2)	1400 (635)	2700 (1225)	4900 (2223)	1500 (6φ0)	2φ00 (1270)	5000 (226φ)
		300 (20,7)	2000 (907)	3600 (1633)	6400 (2903)	2100 (953)	4000 (1φ14)	7100 (3221)
		350 (24,1)	2300 (1043)	4100 (1φ60)	7000 (3175)	2700 (1225)	4900 (2223)	φ000 (3629)
		400 (27,6)	2700 (1225)	5000 (226φ)	φ300 (3765)	3φ00 (1724)	φ300 (3765)	9φ00 (4445)
		450 (31,0)	3100 (1406)	5500 (2495)	9000 (40φ2)	4000 (1φ14)	φ000 (3629)	10 000 (4536)
		500 (34,5)	3600 (1633)	6000 (2722)	9500 (4309)	5000 (226φ)	φ500 (3φ56)	10 φ00 (4φ99)
		600 (41,4)	4500 (2041)	6500 (294φ)	10 000 (4536)	6300 (2φ5φ)	9000 (40φ2)	11 500 (5216)
	250 (17,2)	275 (19,0)	1500 (6φ0)	3000 (1361)	5100 (2313)	1500 (6φ0)	3000 (1361)	5200 (2359)
		300 (20,7)	2300 (1043)	4000 (1φ14)	6500 (294φ)	2000 (907)	4000 (1φ14)	6300 (2φ5φ)
		350 (24,1)	2φ00 (1270)	5100 (2313)	7700 (3493)	2900 (1315)	5400 (2449)	φ400 (3φ10)
		400 (27,6)	3200 (1452)	5500 (2495)	φ500 (3φ56)	3700 (167φ)	7000 (3175)	9700 (4400)
		450 (31,0)	3600 (1633)	6000 (2722)	9000 (40φ2)	4200 (1905)	7φ00 (353φ)	11 000 (4990)
		500 (34,5)	3700 (167φ)	6500 (294φ)	9500 (4309)	4700 (2132)	φ400 (3φ10)	11 000 (4990)
		550 (37,9)	4100 (1φ60)	6900 (3130)	9900 (4491)	5100 (2313)	φφ00 (3992)	12 000 (5443)
600 (41,4)		4200 (1905)	7300 (3311)	10 000 (4536)	5500 (2495)	9100 (412φ)	12 000 (5443)	

1. Capacities are based in pounds/hour (kg/h) of saturated steam.

**Table 18. Water Capacities<sup>(1,2)</sup> in GPM (l/min) for 1/4 through 1-Inch (DN 25) Types 95L and 95LD Regulators with Elastomer Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)							
	Outlet Setting, Psig (bar)	Inlet	1/4		1/2 (15)		3/4 (20)		1 (25)	
			Offset		Offset		Offset		Offset	
		Psig (bar)	10%	20%	10%	20%	10%	20%	10%	20%
2 to 6 (0,1 to 0,4)	5 (0,3)	10 (0,69)	1.0 (3,7φ)	1.φ (6,φ1)	2.0 (7,57)	3.3 (12,5)	5.0 (1φ,9)	7.0 (26,5)	5.φ (22,0)	φ.3 (31,4)
		20 (1,3φ)	2.0 (7,57)	3.0 (11,4)	2.φ (10,6)	4.0 (15,1)	7.5 (2φ,4)	11 (41,6)	9.2 (34,φ)	13 (49,2)
		30 (2,07)	2.3 (φ,70)	3.3 (12,5)	3.3 (12,5)	4.7 (17,φ)	10 (37,φ)	13 (49,2)	12 (45,4)	16 (60,6)
		50 (3,45)	2.7 (10,2)	3.5 (13,2)	3.7 (14,0)	4.φ (1φ,2)	11 (41,6)	17 (64,3)	13 (49,2)	20 (75,7)
		75 (5,17)	2.7 (10,2)	3.5 (13,2)	3.7 (14,0)	4.φ (1φ,2)	11 (41,6)	20 (75,7)	13 (49,2)	23 (φ7,1)
		100 (6,90)	2.7 (10,2)	3.5 (13,2)	3.7 (14,0)	4.φ (1φ,2)	11 (41,6)	22 (φ3,3)	13 (49,2)	27 (102)
		150 (10,3)	2.7 (10,2)	3.5 (13,2)	3.7 (14,0)	4.φ (1φ,2)	11 (41,6)	22 (φ3,3)	13 (49,2)	27 (102)
		200 (13,φ)	2.7 (10,2)	3.5 (13,2)	3.7 (14,0)	4.φ (1φ,2)	11 (41,6)	22 (φ3,3)	13 (49,2)	27 (102)
250 (17,2)	2.7 (10,2)	3.5 (13,2)	3.7 (14,0)	4.φ (1φ,2)	11 (41,6)	22 (φ3,3)	13 (49,2)	27 (102)		
5 to 15 (0,3 to 1,0)	10 (0,7)	20 (1,3φ)	1.φ (6,φ1)	2.7 (10,2)	3.7 (14,0)	5.0 (1φ,9)	7.0 (26,5)	10 (37,φ)	φ.3 (31,4)	12 (45,4)
		30 (2,07)	2.5 (9,46)	3.5 (13,2)	4.0 (15,1)	5.2 (19,7)	10 (37,φ)	13 (49,2)	12 (45,4)	16 (60,6)
		50 (3,45)	3.0 (11,4)	3.φ (14,4)	4.2 (15,9)	5.3 (20,1)	12 (45,4)	17 (64,3)	14 (53,0)	20 (75,7)
		75 (5,17)	3.0 (11,4)	3.φ (14,4)	4.2 (15,9)	5.3 (20,1)	12 (45,4)	20 (75,7)	14 (53,0)	25 (94,6)
		100 (6,90)	3.0 (11,4)	3.φ (14,4)	4.2 (15,9)	5.3 (20,1)	12 (45,4)	22 (φ3,3)	14 (53,0)	27 (102)
		150 (10,3)	3.0 (11,4)	3.φ (14,4)	4.2 (15,9)	5.3 (20,1)	12 (45,4)	22 (φ3,3)	14 (53,0)	27 (102)
		200 (13,φ)	3.0 (11,4)	3.φ (14,4)	4.2 (15,9)	5.3 (20,1)	12 (45,4)	22 (φ3,3)	14 (53,0)	27 (102)
		250 (17,2)	3.0 (11,4)	3.φ (14,4)	4.2 (15,9)	5.3 (20,1)	12 (45,4)	22 (φ3,3)	14 (53,0)	27 (102)

1. Capacities are in GPM (l/min) of water.

2. To obtain capacities for regulators with metal diaphragms, multiply the table values by 0.φ.

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**Table 18. Water Capacities<sup>(1,2)</sup> in GPM (l/min) for 1/4 through 1-Inch (DN 25) Types 95L and 95LD Regulators with Elastomer Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)							
	Outlet Setting, Psig (bar)	Inlet	1/4		1/2 (15)		3/4 (20)		1 (25)	
			Offset		Offset		Offset		Offset	
		Psig (bar)	10%	20%	10%	20%	10%	20%	10%	20%
5 to 15 (0,3 to 1,0)	15 (1,0)	20 (1,3 $\phi$ )	1.0 (6,0 $\phi$ )	2.2 (0,33)	3.5 (13,2)	5.0 (10,9)	7.0 (26,5)	0.5 (32,2)	0.3 (31,4)	10 (37,0)
		30 (2,07)	2.7 (10,2)	3.3 (12,5)	4.7 (17,0)	5.0 (22,0)	11 (41,6)	13 (49,2)	13 (49,2)	15 (56,0)
		50 (3,45)	3.5 (13,2)	4.3 (16,3)	4.0 (10,2)	6.2 (23,5)	15 (56,0)	17 (64,3)	10 (60,1)	20 (75,7)
		75 (5,17)	3.7 (14,0)	4.5 (17,0)	5.0 (10,9)	6.3 (23,0)	15 (56,0)	22 (83,3)	10 (60,1)	27 (102)
		100 (6,90)	3.7 (14,0)	4.5 (17,0)	5.0 (10,9)	6.3 (23,0)	15 (56,0)	20 (106)	10 (60,1)	33 (125)
		150 (10,3)	3.7 (14,0)	4.5 (17,0)	5.0 (10,9)	6.3 (23,0)	15 (56,0)	32 (121)	10 (60,1)	37 (140)
		200 (13,0)	3.7 (14,0)	4.5 (17,0)	5.0 (10,9)	6.3 (23,0)	15 (56,0)	35 (132)	10 (60,1)	42 (159)
250 (17,2)	3.7 (14,0)	4.5 (17,0)	5.0 (10,9)	6.3 (23,0)	17 (64,3)	35 (132)	20 (75,7)	42 (159)		
13 to 30 (0,9 to 2,1)	20 (1,4)	30 (2,07)	2.0 (7,57)	2.9 (11,0)	4.3 (16,3)	5.0 (22,0)	10 (37,0)	11 (41,6)	12 (45,4)	13 (49,2)
		40 (2,76)	2.7 (10,2)	3.0 (14,4)	5.2 (19,7)	6.7 (25,4)	13 (49,2)	13 (49,2)	15 (56,0)	16 (60,6)
		50 (3,45)	3.3 (12,5)	4.7 (17,0)	5.5 (20,0)	7.2 (27,3)	14 (53,0)	17 (64,3)	17 (64,3)	20 (75,7)
		75 (5,17)	3.0 (14,4)	5.0 (10,9)	5.5 (20,0)	7.2 (27,3)	10 (60,1)	20 (75,7)	22 (83,3)	25 (94,6)
		100 (6,90)	3.0 (14,4)	5.0 (10,9)	5.5 (20,0)	7.2 (27,3)	22 (83,3)	27 (102)	25 (94,6)	32 (121)
		150 (10,3)	3.0 (14,4)	5.0 (10,9)	5.5 (20,0)	7.2 (27,3)	23 (87,1)	32 (121)	27 (102)	30 (114)
		200 (13,0)	3.0 (14,4)	5.0 (10,9)	5.5 (20,0)	7.2 (27,3)	23 (87,1)	37 (140)	27 (102)	43 (163)
	250 (17,2)	3.0 (14,4)	5.0 (10,9)	5.5 (20,0)	7.2 (27,3)	25 (94,6)	30 (114)	30 (114)	45 (170)	
	25 (1,7)	40 (2,76)	2.6 (9,04)	3.5 (13,2)	5.2 (19,7)	7.5 (20,4)	13 (49,2)	13 (49,2)	15 (56,0)	16 (60,6)
		50 (3,45)	3.3 (12,5)	4.3 (16,3)	5.0 (22,0)	7.0 (29,5)	14 (53,0)	16 (60,6)	17 (64,3)	19 (71,9)
		75 (5,17)	3.7 (14,0)	5.0 (22,0)	5.0 (22,0)	0.0 (30,3)	22 (83,3)	22 (83,3)	25 (94,6)	27 (102)
		100 (6,90)	4.2 (15,9)	5.0 (22,0)	5.0 (22,0)	0.0 (30,3)	23 (87,1)	27 (102)	20 (106)	32 (121)
		150 (10,3)	4.2 (15,9)	5.0 (22,0)	5.0 (22,0)	0.0 (30,3)	20 (106)	32 (121)	33 (125)	30 (114)
		200 (13,0)	4.2 (15,9)	5.0 (22,0)	5.0 (22,0)	0.0 (30,3)	33 (125)	30 (114)	40 (151)	45 (170)
		250 (17,2)	4.2 (15,9)	5.0 (22,0)	5.0 (22,0)	0.0 (30,3)	35 (132)	41 (155)	42 (159)	40 (151)
	30 (2,1)	40 (2,76)	2.3 (0,70)	3.0 (11,4)	5.3 (20,1)	7.3 (27,6)	10 (37,0)	12 (45,4)	12 (45,4)	14 (53,0)
		50 (3,45)	3.2 (12,1)	4.0 (15,1)	6.5 (24,6)	0.3 (31,4)	13 (49,2)	15 (56,0)	16 (60,6)	10 (60,1)
		75 (5,17)	4.3 (16,3)	5.7 (21,6)	6.7 (25,4)	9.2 (34,0)	20 (75,7)	22 (83,3)	23 (87,1)	25 (94,6)
		100 (6,90)	4.0 (10,2)	6.3 (23,0)	6.7 (25,4)	9.2 (34,0)	24 (90,0)	27 (102)	20 (106)	32 (121)
		150 (10,3)	4.0 (10,2)	6.3 (23,0)	6.7 (25,4)	9.2 (34,0)	32 (121)	33 (125)	37 (140)	40 (151)
		200 (13,0)	4.0 (10,2)	6.3 (23,0)	6.7 (25,4)	9.2 (34,0)	37 (140)	40 (151)	43 (163)	47 (170)
250 (17,2)		4.0 (10,2)	6.3 (23,0)	6.7 (25,4)	9.2 (34,0)	40 (151)	43 (163)	47 (170)	50 (109)	

1. Capacities are in GPM (l/min) of water.  
2. To obtain capacities for regulators with metal diaphragms, multiply the table values by 0.0.

**Table 19. Water Capacities<sup>(1,2)</sup> for 1/4 through 1/2-Inch (DN 15) Types 95H and 95HD Regulators with Elastomer Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 30 (1,0 to 2,1)	15 (1,0)	30 (2,07)	1.0 (3,70)	1.0 (6,01)	3.2 (12,1)	2.0 (7,57)	3.2 (12,1)	6.0 (25,7)
		40 (2,76)	1.5 (5,60)	2.0 (7,57)	3.6 (13,6)	3.0 (11,4)	5.0 (10,9)	7.0 (26,5)
		50 (3,45)	2.0 (7,57)	2.2 (0,33)	3.0 (14,4)	4.0 (15,1)	5.5 (20,0)	7.2 (27,3)
		75 (5,17)	3.0 (11,4)	4.2 (15,9)	5.2 (19,7)	5.0 (10,9)	6.5 (24,6)	7.4 (20,0)
		100 (6,90)	3.2 (12,1)	4.2 (15,9)	5.2 (19,7)	5.0 (10,9)	6.5 (24,6)	7.6 (20,0)
		150 (10,3)	3.2 (12,1)	4.2 (15,9)	5.2 (19,7)	5.0 (10,9)	6.5 (24,6)	7.0 (29,5)
		200 (13,0)	3.2 (12,1)	4.2 (15,9)	5.2 (19,7)	5.1 (19,3)	6.5 (24,6)	0.0 (30,3)
	250 (17,2)	3.2 (12,1)	4.2 (15,9)	5.5 (20,0)	5.1 (19,3)	6.6 (25,0)	0.5 (32,2)	
	300 (20,7)	3.2 (12,1)	4.2 (15,9)	5.5 (20,0)	5.2 (19,7)	6.6 (25,0)	9.0 (34,1)	
	30 (2,1)	40 (2,76)	1.0 (3,70)	1.0 (6,01)	2.5 (9,46)	2.0 (10,6)	4.9 (10,5)	9.5 (36,0)
		50 (3,45)	1.2 (4,54)	2.0 (7,57)	2.0 (10,6)	3.5 (13,2)	5.7 (21,6)	10 (37,0)
		75 (5,17)	2.5 (9,46)	3.3 (12,5)	4.7 (17,0)	4.0 (15,1)	5.9 (22,3)	13 (49,2)
		100 (6,90)	3.5 (13,2)	3.0 (14,4)	7.0 (26,5)	5.0 (10,9)	6.1 (23,1)	14 (53,0)
		150 (10,3)	4.0 (15,1)	4.2 (15,9)	9.0 (34,1)	6.0 (22,7)	6.5 (24,6)	14 (53,0)
200 (13,0)		4.0 (15,1)	5.0 (10,9)	10 (37,0)	6.5 (24,6)	6.9 (26,1)	14 (53,0)	
250 (17,2)		4.0 (15,1)	5.0 (10,9)	11 (41,6)	6.5 (24,6)	7.0 (26,5)	14 (53,0)	
300 (20,7)	4.0 (15,1)	5.0 (10,9)	12 (45,4)	7.0 (26,5)	7.5 (20,4)	14 (53,0)		

1. Capacities are in GPM (l/min) of water.  
2. To obtain capacities for regulators with metal diaphragms, multiply the table values by 0.0.

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# Bulletin 71.1:95

**Table 19. Water Capacities<sup>(1,2)</sup> for 1/4 through 1/2-Inch (DN 15) Types 95H and 95HD Regulators with Elastomer Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
25 to 75 (1,7 to 5,2)	50 (3,4)	60 (4,14)	2.0 (7,57)	3.0 (11,4)	3.5 (13,2)	4.0 (15,1)	6.5 (24,6)	12 (45,4)
		75 (5,17)	3.0 (11,4)	3.5 (13,2)	4.0 (15,1)	5.0 (17,9)	6.5 (24,6)	12 (45,4)
		100 (6,90)	3.2 (12,1)	3.5 (13,2)	4.5 (17,0)	5.5 (20,7)	9.0 (34,1)	13 (49,2)
		150 (10,3)	4.0 (15,1)	5.0 (17,9)	5.5 (20,7)	6.0 (22,7)	9.5 (36,0)	13 (49,2)
		200 (13,7)	4.5 (16,3)	6.0 (22,7)	9.2 (34,7)	6.5 (24,6)	10 (37,7)	14 (53,0)
		300 (20,7)	5.0 (17,9)	7.0 (26,5)	11 (41,6)	7.0 (26,5)	11 (41,6)	14 (53,0)
	75 (5,2)	100 (6,90)	2.0 (7,57)	4.0 (15,1)	6.5 (24,6)	9.5 (36,0)	12 (45,4)	15 (56,7)
		125 (7,9)	2.5 (9,46)	4.2 (15,9)	7.5 (27,3)	10 (37,7)	14 (53,0)	17 (64,3)
		150 (10,3)	3.5 (13,2)	5.5 (20,7)	6.5 (24,6)	11 (41,6)	15 (56,7)	21 (79,5)
		200 (13,7)	4.3 (16,3)	6.7 (25,4)	9.1 (34,4)	11 (41,6)	15 (56,7)	23 (77,1)
		250 (17,2)	6.5 (24,6)	10 (37,7)	12 (45,4)	11 (41,6)	15 (56,7)	23 (77,1)
		300 (20,7)	6.5 (24,6)	11 (41,6)	13 (49,2)	11 (41,6)	15 (56,7)	23 (77,1)
70 to 150 (4,7 to 10,3)	100 (6,9)	125 (7,9)	2.5 (9,46)	4.0 (15,1)	5.5 (20,7)	7.0 (26,5)	11 (41,6)	16 (60,6)
		150 (10,3)	2.7 (10,2)	4.0 (15,1)	6.7 (25,4)	7.0 (26,5)	14 (53,0)	19 (71,9)
		175 (12,1)	2.7 (10,6)	4.2 (15,9)	7.2 (27,3)	9.0 (34,1)	15 (56,7)	21 (79,5)
		200 (13,7)	3.0 (11,4)	5.1 (19,3)	6.5 (24,6)	9.5 (36,0)	15 (56,7)	23 (77,1)
		250 (17,2)	3.5 (13,2)	5.5 (20,7)	9.6 (36,3)	10 (37,7)	16 (60,6)	24 (90,7)
		300 (20,7)	4.4 (16,7)	6.6 (25,0)	10 (37,7)	11 (41,6)	16 (60,6)	24 (90,7)
	125 (7,9)	125 (7,9)	2.0 (7,57)	3.3 (12,5)	6.0 (22,7)	7.5 (27,3)	12 (45,4)	17 (64,3)
		150 (10,3)	2.1 (7,95)	3.6 (13,6)	6.5 (24,6)	9.0 (34,1)	15 (56,7)	20 (75,7)
		175 (12,1)	2.2 (8,33)	4.5 (17,0)	6.5 (24,6)	9.5 (36,0)	16 (60,6)	23 (77,1)
		200 (13,7)	3.6 (13,6)	6.0 (22,7)	9.3 (35,2)	10 (37,7)	16 (60,6)	25 (94,6)
		250 (17,2)	3.7 (14,0)	7.0 (26,5)	9.9 (37,5)	11 (41,6)	17 (64,3)	26 (99,4)
		300 (20,7)	4.0 (15,1)	7.2 (27,3)	11 (41,6)	12 (45,4)	17 (64,3)	26 (99,4)
	150 (10,3)	175 (12,1)	2.5 (9,46)	3.9 (14,7)	6.5 (24,6)	7.7 (29,5)	14 (53,0)	19 (71,9)
		200 (13,7)	2.6 (9,84)	4.2 (15,9)	7.2 (27,3)	10 (37,7)	17 (64,3)	22 (77,1)
		225 (15,5)	3.0 (11,4)	5.0 (17,9)	9.0 (34,1)	12 (45,4)	19 (71,9)	24 (90,7)
		250 (17,2)	3.5 (13,2)	5.7 (21,6)	9.9 (37,5)	13 (49,2)	20 (75,7)	26 (99,4)
		300 (20,7)	4.0 (15,1)	7.0 (26,5)	11 (41,6)	13 (49,2)	20 (75,7)	26 (99,4)
			7.0 (26,5)	11 (41,6)	13 (49,2)	20 (75,7)	26 (99,4)	27 (101,4)

1. Capacities are in GPM (l/min) of water.  
2. To obtain capacities for regulators with metal diaphragms, multiply the table values by 0.6.

**Table 19. Water Capacities<sup>(1,2)</sup> for 3/4 through 1-Inch (DN 20 through 25) Types 95H and 95HD Regulators with Elastomer Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 30 (1,0 to 2,1)	15 (1,0)	30 (2,07)	7.0 (26,5)	10 (37,7)	15 (56,7)	7.0 (26,5)	11 (41,6)	16 (60,6)
		40 (2,76)	7.0 (26,5)	12 (45,4)	17 (64,3)	7.0 (26,5)	13 (49,2)	20 (75,7)
		50 (3,45)	9.0 (34,1)	14 (53,0)	20 (75,7)	7.5 (27,3)	15 (56,7)	23 (77,1)
		75 (5,17)	12 (45,4)	17 (64,3)	26 (99,4)	13 (49,2)	21 (79,5)	29 (110)
		100 (6,90)	13 (49,2)	19 (71,9)	27 (101,4)	19 (71,9)	26 (99,4)	34 (129)
		150 (10,3)	15 (56,7)	22 (77,1)	31 (117)	25 (94,6)	36 (136)	42 (159)
		200 (13,7)	19 (71,9)	25 (94,6)	35 (132)	32 (121)	37 (140)	44 (167)
		250 (17,2)	20 (75,7)	27 (102)	37 (140)	33 (125)	37 (140)	46 (174)
		300 (20,7)	20 (75,7)	27 (102)	40 (151)	34 (129)	37 (140)	46 (174)
			27 (102)	40 (151)	40 (151)	34 (129)	37 (140)	46 (174)

1. Capacities are in GPM (l/min) of water.  
2. To obtain capacities for regulators with metal diaphragms, multiply the table values by 0.6.

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**Table 19. Water Capacities<sup>(1,2)</sup> for 3/4 through 1-Inch (DN 20 through 25) Types 95H and 95HD Regulators with Elastomer Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)						
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)			
			Offset			Offset			
		Psig (bar)	10%	20%	40%	10%	20%	40%	
15 to 30 (1,0 to 2,1)	30 (2,1)	40 (2,76)	9.0 (34,1)	13 (49,2)	17 (64,3)	φ.5 (32,2)	14 (53,0)	17 (64,3)	
		50 (3,45)	11 (41,6)	16 (60,6)	21 (79,5)	11 (41,6)	1φ (6φ,1)	22 (φ3,3)	
		75 (5,17)	15 (56,φ)	21 (79,5)	2φ (106)	16 (60,6)	25 (94,6)	29 (110)	
		100 (6,90)	17 (64,3)	24 (90,φ)	33 (125)	19 (71,9)	31 (117)	34 (129)	
		150 (10,3)	21 (79,5)	30 (114)	40 (151)	30 (114)	39 (14φ)	42 (159)	
		200 (13,φ)	24 (90,φ)	31 (117)	46 (174)	35 (132)	4φ (1φ2)	49 (1φ5)	
		250 (17,2)	25 (94,6)	35 (132)	49 (1φ5)	36 (136)	53 (201)	55 (20φ)	
		300 (20,7)	26 (9φ,4)	36 (136)	53 (201)	37 (140)	54 (204)	60 (227)	
25 to 75 (1,7 to 5,2)	50 (3,4)	60 (4,14)	9.0 (34,1)	14 (53,0)	20 (75,7)	12 (45,4)	17 (64,3)	23 (φ7,1)	
		75 (5,17)	12 (45,4)	20 (75,7)	25 (94,6)	14 (53,0)	21 (79,5)	27 (102)	
		100 (6,90)	15 (56,φ)	24 (90,φ)	31 (117)	16 (60,6)	26 (9φ,4)	34 (129)	
		150 (10,3)	23 (φ7,1)	32 (121)	40 (151)	20 (75,7)	36 (136)	42 (159)	
		200 (13,φ)	24 (90,φ)	34 (129)	47 (17φ)	30 (114)	42 (159)	49 (1φ5)	
		250 (17,2)	26 (9φ,4)	39 (14φ)	51 (193)	33 (125)	49 (1φ5)	55 (20φ)	
			300 (20,7)	25 (94,6)	40 (151)	55 (20φ)	40 (151)	55 (20φ)	60 (227)
	75 (5,2)	100 (6,90)	16 (60,6)	23 (φ7,1)	2φ (106)	16 (60,6)	24 (90,φ)	30 (114)	
		125 (φ,62)	20 (75,7)	29 (110)	33 (125)	21 (79,5)	31 (117)	36 (136)	
		150 (10,3)	23 (φ7,1)	33 (125)	39 (14φ)	24 (90,φ)	37 (140)	42 (159)	
		200 (13,φ)	2φ (106)	41 (155)	47 (17φ)	29 (110)	46 (174)	49 (1φ5)	
		250 (17,2)	32 (121)	43 (163)	52 (197)	37 (140)	50 (1φ9)	55 (20φ)	
		300 (20,7)	33 (125)	49 (1φ5)	56 (212)	39 (14φ)	56 (212)	60 (227)	
70 to 150 (4,φ to 10,3)	100 (6,9)	125 (φ,62)	15 (56,φ)	24 (90,φ)	30 (114)	16 (60,6)	24 (90,φ)	32 (121)	
		150 (10,3)	17 (64,3)	27 (102)	35 (132)	21 (79,5)	30 (114)	3φ (144)	
		175 (12,1)	24 (90,φ)	2φ (106)	40 (151)	24 (90,φ)	33 (125)	43 (163)	
		200 (13,φ)	25 (94,6)	37 (140)	45 (170)	27 (102)	41 (155)	4φ (1φ2)	
		250 (17,2)	29 (110)	42 (159)	52 (197)	30 (114)	42 (159)	54 (204)	
		300 (20,7)	33 (125)	4φ (1φ2)	57 (216)	36 (136)	43 (163)	5φ (220)	
	125 (φ,6)	125 (φ,62)	19 (71,9)	25 (94,6)	32 (121)	17 (64,3)	27 (102)	35 (132)	
		150 (10,3)	23 (φ7,1)	32 (121)	37 (140)	22 (φ3,3)	33 (125)	40 (151)	
		175 (12,1)	27 (102)	36 (136)	42 (159)	24 (90,φ)	35 (132)	47 (17φ)	
		200 (13,φ)	32 (121)	40 (151)	47 (17φ)	29 (110)	3φ (144)	49 (1φ5)	
		250 (17,2)	34 (129)	44 (167)	51 (193)	32 (121)	42 (159)	53 (201)	
		300 (20,7)	36 (136)	47 (17φ)	57 (216)	3φ (144)	44 (167)	59 (223)	
	150 (10,3)	175 (12,1)	21 (79,5)	2φ (106)	34 (129)	20 (75,7)	26 (9φ,4)	37 (140)	
		200 (13,φ)	24 (90,φ)	33 (125)	40 (151)	24 (90,φ)	34 (129)	42 (159)	
		225 (15,5)	29 (110)	37 (140)	45 (170)	29 (110)	39 (14φ)	4φ (1φ2)	
		250 (17,2)	30 (114)	41 (155)	50 (1φ9)	34 (129)	45 (170)	52 (197)	
		300 (20,7)	35 (132)	49 (1φ5)	55 (20φ)	41 (155)	53 (201)	59 (223)	

1. Capacities are in GPM (l/min) of water.  
2. To obtain capacities for regulators with metal diaphragms, multiply the table values by 0.6.

**Table 20. Water Capacities<sup>(1)</sup> for 1-1/2 through 2-Inch (DN 40 through 50) Types 95H and 95HD Regulators with Either Elastomer or Stainless Steel Diaphragm**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1-1/2 (40)			2 (50)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
5 to φ0 (0,3 to 5,5)	5 (0,3)	10 (0,69)	4.φ (1φ,2)	5.2 (19,7)	7.4 (2φ,0)	4.φ (1φ,2)	5.2 (19,7)	7.6 (2φ,φ)
		20 (1,3φ)	6.2 (23,5)	7.0 (26,5)	φ.5 (32,2)	6.5 (24,6)	7.1 (26,9)	10 (37,φ)
		30 (2,07)	7.5 (2φ,4)	φ.3 (31,4)	9.5 (36,0)	φ.0 (30,3)	9.0 (34,1)	12 (45,4)
		50 (3,45)	9.5 (36,0)	10 (37,φ)	12 (45,4)	10 (37,φ)	12 (45,4)	15 (56,φ)
		75 (5,17)	12 (45,4)	13 (49,2)	15 (56,φ)	12 (45,4)	14 (53,0)	16 (60,6)
		100 (6,90)	14 (53,0)	15 (56,φ)	17 (64,3)	14 (53,0)	15 (56,φ)	1φ (6φ,1)
		150 (10,3)	16 (60,6)	1φ (6φ,1)	20 (75,7)	17 (64,3)	20 (75,7)	22 (φ3,3)
		200 (13,φ)	1φ (6φ,1)	20 (75,7)	23 (φ7,1)	1φ (6φ,1)	21 (79,5)	23 (φ7,1)
		250 (17,2)	19 (71,9)	22 (φ3,3)	25 (94,6)	25 (94,6)	27 (102)	30 (114)
		300 (20,7)	20 (75,7)	24 (90,φ)	2φ (106)	33 (125)	40 (151)	45 (170)

1. Capacities are in GPM (l/min) of water.

- continued -

# Bulletin 71.1:95

**Table 20. Water Capacities<sup>(1)</sup> for 1-1/2 through 2-Inch (DN 40 through 50) Types 95H and 95HD Regulators with Either Elastomer or Stainless Steel Diaphragm (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1-1/2 (40)			2 (50)		
			Offset			Offset		
			10%	20%	40%	10%	20%	40%
	Psig (bar)	10%	20%	40%	10%	20%	40%	
5 to $\phi$ 0 (0,3 to 5,5)	15 (1,0)	30 (2,07)	$\phi$ .0 (30,3)	9.0 (34,1)	11 (41,6)	7.0 (26,5)	10 (37, $\phi$ )	14 (53,0)
		40 (2,76)	10 (37, $\phi$ )	11 (41,6)	14 (53,0)	9.5 (36,0)	13 (49,2)	17 (64,3)
		50 (3,45)	12 (45,4)	13 (49,2)	1 $\phi$ (6 $\phi$ ,1)	11 (41,6)	15 (56, $\phi$ )	20 (75,7)
		75 (5,17)	14 (53,0)	1 $\phi$ (6 $\phi$ ,1)	25 (94,6)	15 (56, $\phi$ )	19 (71,9)	26 (9 $\phi$ ,4)
		100 (6,90)	17 (64,3)	21 (79,5)	32 (121)	1 $\phi$ (6 $\phi$ ,1)	22 ( $\phi$ 3,3)	32 (121)
		150 (10,3)	21 (79,5)	27 (102)	43 (163)	21 (79,5)	2 $\phi$ (106)	40 (151)
		200 (13, $\phi$ )	23 ( $\phi$ 7,1)	32 (121)	52 (197)	24 (90, $\phi$ )	31 (117)	43 (163)
	250 (17,2)	24 (90, $\phi$ )	34 (129)	54 (204)	27 (102)	40 (151)	50 (1 $\phi$ 9)	
	300 (20,7)	25 (94,6)	35 (132)	55 (20 $\phi$ )	32 (121)	50 (1 $\phi$ 9)	65 (246)	
	30 (2,1)	40 (2,76)	13 (49,2)	1 $\phi$ (6 $\phi$ ,1)	27 (102)	13 (49,2)	1 $\phi$ (6 $\phi$ ,1)	27 (102)
		50 (3,45)	15 (56, $\phi$ )	21 (79,5)	30 (114)	14 (53,0)	20 (75,7)	30 (114)
		75 (5,17)	1 $\phi$ (6 $\phi$ ,1)	26 (9 $\phi$ ,4)	40 (151)	1 $\phi$ (6 $\phi$ ,1)	25 (94,6)	39 (14 $\phi$ )
		100 (6,90)	21 (79,5)	30 (114)	49 (1 $\phi$ 5)	22 ( $\phi$ 3,3)	30 (114)	4 $\phi$ (1 $\phi$ 2)
		150 (10,3)	24 (90, $\phi$ )	36 (136)	64 (242)	26 (9 $\phi$ ,4)	36 (136)	63 (23 $\phi$ )
		200 (13, $\phi$ )	27 (102)	41 (155)	$\phi$ 0 (303)	30 (114)	41 (155)	77 (291)
		300 (20,7)	30 (114)	47 (17 $\phi$ )	110 (416)	31 (117)	45 (170)	90 (341)
	50 (3,4)	60 (4,14)	17 (64,3)	29 (110)	51 (193)	16 (60,6)	29 (110)	51 (193)
		75 (5,17)	20 (75,7)	33 (125)	5 $\phi$ (220)	19 (71,9)	32 (121)	56 (212)
		100 (6,90)	25 (94,6)	40 (151)	6 $\phi$ (257)	24 (90, $\phi$ )	3 $\phi$ (144)	65 (246)
		150 (10,3)	34 (129)	50 (1 $\phi$ 9)	$\phi$ 7 (329)	32 (121)	49 (1 $\phi$ 5)	$\phi$ 4 (31 $\phi$ )
200 (13, $\phi$ )		42 (159)	61 (231)	110 (416)	42 (159)	62 (235)	110 (416)	
250 (17,2)		50 (1 $\phi$ 9)	71 (269)	130 (492)	50 (1 $\phi$ 9)	73 (276)	140 (530)	
300 (20,7)		56 (212)	$\phi$ 2 (310)	160 (606)	55 (20 $\phi$ )	$\phi$ 3 (314)	160 (606)	
75 (5,2)	100 (6,90)	19 (71,9)	30 (114)	60 (227)	20 (75,7)	30 (114)	60 (227)	
	125 ( $\phi$ ,62)	31 (117)	56 (212)	$\phi$ 5 (322)	27 (102)	49 (1 $\phi$ 5)	$\phi$ 5 (322)	
	150 (10,3)	3 $\phi$ (144)	65 (246)	110 (416)	34 (129)	60 (227)	110 (416)	
	200 (13, $\phi$ )	52 (197)	74 (2 $\phi$ 0)	120 (454)	45 (170)	71 (269)	120 (454)	
	250 (17,2)	57 (216)	$\phi$ 5 (322)	140 (530)	56 (212)	$\phi$ 5 (322)	140 (530)	
	300 (20,7)	65 (246)	95 (360)	160 (606)	6 $\phi$ (257)	100 (37 $\phi$ )	160 (606)	
	60 to 120 (4,1 to $\phi$ ,3)	100 (6,9)	125 ( $\phi$ ,62)	23 ( $\phi$ 7,1)	30 (114)	75 (2 $\phi$ 4)	24 (90, $\phi$ )	32 (121)
150 (10,3)			41 (155)	44 (167)	$\phi$ 7 (329)	33 (125)	45 (170)	$\phi$ 9 (337)
175 (12,1)			40 (151)	55 (20 $\phi$ )	100 (37 $\phi$ )	41 (155)	57 (216)	110 (416)
225 (15,5)			52 (197)	$\phi$ 3 (314)	130 (492)	54 (204)	$\phi$ 4 (31 $\phi$ )	130 (492)
250 (17,2)			62 (235)	96 (363)	140 (530)	65 (246)	100 (37 $\phi$ )	140 (530)
300 (20,7)			70 (265)	100 (37 $\phi$ )	1 $\phi$ 0 (6 $\phi$ 1)	100 (37 $\phi$ )	130 (492)	160 (606)
100 to 140 (6,9 to 9,7)	125 ( $\phi$ ,6)	150 (10,3)	2 $\phi$ (106)	51 (193)	$\phi$ 0 (303)	29 (110)	52 (197)	$\phi$ 3 (314)
		175 (12,1)	29 (110)	60 (227)	90 (341)	31 (117)	61 (231)	95 (360)
		200 (13, $\phi$ )	30 (114)	64 (242)	110 (416)	33 (125)	71 (269)	110 (416)
		225 (15,5)	36 (136)	70 (265)	110 (416)	36 (136)	$\phi$ 2 (310)	120 (454)
		250 (17,2)	3 $\phi$ (144)	76 (2 $\phi$ $\phi$ )	120 (454)	45 (170)	95 (360)	130 (492)
		300 (20,7)	39 (14 $\phi$ )	$\phi$ 2 (310)	140 (530)	69 (261)	120 (454)	150 (56 $\phi$ )
120 to 150 ( $\phi$ ,3 to 10,3)	150 (10,3)	175 (12,1)	29 (110)	52 (197)	90 (341)	33 (125)	54 (204)	92 (34 $\phi$ )
		200 (13, $\phi$ )	32 (121)	55 (20 $\phi$ )	100 (37 $\phi$ )	34 (129)	5 $\phi$ (220)	100 (37 $\phi$ )
		225 (15,5)	35 (132)	63 (23 $\phi$ )	110 (416)	37 (140)	64 (242)	110 (416)
		250 (17,2)	40 (151)	70 (265)	120 (454)	43 (163)	73 (276)	130 (492)
		300 (20,7)	55 (20 $\phi$ )	94 (356)	140 (530)	55 (20 $\phi$ )	95 (360)	150 (56 $\phi$ )

1. Capacities are in GPM (l/min) of water.

**Table 21. Water Capacities<sup>(1)</sup> for 1/4 through 1/2-Inch (DN 15) Type 95HP Regulators with Elastomer Diaphragm<sup>(2)</sup>**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 100 (1.0 to 6.9)	15 (1.0)	30 (2,07)	0.6 (2,27)	1.3 (4,92)	2.9 (11,0)	2.6 (9,φ4)	3.2 (12,1)	5.2 (19,7)
		40 (2,76)	0.9 (3,41)	1.5 (5,6φ)	3.1 (11,7)	2.7 (10,2)	3.5 (13,2)	5.5 (20,φ)
		50 (3,45)	1.2 (4,54)	1.φ (6,φ1)	3.2 (12,1)	2.φ (10,6)	3.φ (14,4)	6.2 (23,5)
		75 (5,17)	1.4 (5,30)	2.6 (9,φ4)	4.5 (17,0)	3.0 (11,4)	4.6 (17,4)	6.6 (25,0)
		100 (6,90)	1.φ (6,φ1)	3.0 (11,4)	5.0 (1φ,9)	3.5 (13,2)	5.0 (1φ,9)	7.0 (26,5)
		150 (10,3)	2.4 (9,0φ)	4.0 (15,1)	6.4 (24,2)	4.0 (15,1)	5.5 (20,φ)	7.0 (26,5)
		200 (13,φ)	2.φ (10,6)	4.φ (1φ,2)	7.0 (26,5)	4.φ (1φ,2)	6.0 (22,7)	7.7 (29,1)
		250 (17,2)	2.9 (11,0)	5.0 (1φ,9)	φ.0 (30,3)	4.φ (1φ,2)	6.2 (23,5)	7.φ (29,5)
		300 (20,7)	3.0 (11,4)	5.2 (19,7)	9.0 (34,1)	4.5 (17,0)	6.2 (23,5)	7.5 (2φ,4)
		400 (27,6)	3.0 (11,4)	5.5 (20,φ)	10 (37,φ)	5.4 (20,4)	6.5 (24,6)	7.φ (29,5)
	500 (34,5)	3.0 (11,4)	5.5 (20,φ)	11 (41,6)	5.6 (21,2)	6.7 (25,4)	φ.0 (30,3)	
	600 (41,4)	3.0 (11,4)	5.5 (20,φ)	12 (45,4)	6.2 (23,5)	7.0 (26,5)	φ.5 (32,2)	
	30 (2,1)	40 (2,76)	1.0 (3,7φ)	2.0 (7,57)	3.7 (14,0)	2.6 (9,φ4)	4.4 (16,6)	7.2 (27,3)
		50 (3,45)	1.4 (5,30)	2.4 (9,0φ)	4.0 (15,1)	3.0 (11,4)	5.0 (1φ,9)	7.φ (29,5)
		75 (5,17)	2.0 (7,57)	3.7 (14,0)	5.5 (20,φ)	4.0 (15,1)	6.2 (23,5)	φ.φ (33,3)
		100 (6,90)	2.4 (9,0φ)	4.1 (15,5)	6.7 (25,4)	4.5 (17,0)	6.5 (24,6)	9.φ (37,1)
		150 (10,3)	2.7 (10,2)	5.0 (1φ,9)	φ.0 (30,3)	5.0 (1φ,9)	7.0 (26,5)	10 (37,φ)
		200 (13,φ)	3.0 (11,4)	5.5 (20,φ)	10 (37,φ)	5.φ (22,0)	7.2 (27,3)	10 (37,φ)
		250 (17,2)	4.0 (15,1)	6.0 (22,7)	11 (41,6)	6.0 (22,7)	φ.0 (30,3)	11 (41,6)
		300 (20,7)	4.4 (16,7)	6.5 (24,6)	12 (45,4)	6.0 (22,7)	φ.2 (31,0)	11 (41,6)
		400 (27,6)	4.4 (16,7)	6.5 (24,6)	12 (45,4)	6.5 (24,6)	φ.4 (31,φ)	11 (41,6)
		500 (34,5)	4.4 (16,7)	6.5 (24,6)	13 (49,2)	6.6 (25,0)	φ.6 (32,6)	12 (45,4)
	600 (41,4)	4.4 (16,7)	6.5 (24,6)	13 (49,2)	6.9 (26,1)	φ.7 (32,9)	11 (41,6)	
	75 (5,2)	100 (6,90)	2.φ (10,6)	4.5 (17,0)	5.9 (22,3)	5.5 (20,φ)	9.0 (34,1)	13 (49,2)
		125 (φ,62)	3.3 (12,5)	5.φ (22,0)	7.2 (27,3)	6.2 (23,5)	10 (37,φ)	16 (60,6)
		150 (10,3)	4.3 (16,3)	6.7 (25,4)	φ.3 (31,4)	6.5 (24,6)	12 (45,4)	1φ (6φ,1)
		200 (13,φ)	4.φ (1φ,2)	φ.2 (31,0)	10 (37,φ)	φ.0 (30,3)	12 (45,4)	19 (71,9)
		250 (17,2)	5.6 (21,2)	10 (37,φ)	12 (45,4)	φ.2 (31,0)	12 (45,4)	19 (71,9)
		300 (20,7)	5.φ (22,0)	11 (41,6)	13 (49,2)	φ.7 (32,9)	12 (45,4)	19 (71,9)
		400 (27,6)	6.0 (22,7)	11 (41,6)	15 (56,φ)	φ.φ (33,3)	12 (45,4)	19 (71,9)
		500 (34,5)	6.1 (23,1)	11 (41,6)	15 (56,φ)	φ.7 (32,9)	13 (49,2)	19 (71,9)
		600 (41,4)	6.2 (23,5)	11 (41,6)	16 (60,6)	9.0 (34,1)	13 (49,2)	20 (75,7)
		100 (6,9)	125 (φ,62)	3.1 (11,7)	4.9 (1φ,5)	6.4 (24,2)	6.4 (24,2)	11 (41,6)
	150 (10,3)		4.0 (15,1)	6.4 (24,2)	7.5 (2φ,4)	7.0 (26,5)	12 (45,4)	1φ (6φ,1)
	175 (12,1)		4.φ (1φ,2)	7.5 (2φ,4)	φ.6 (32,6)	φ.0 (30,3)	13 (49,2)	21 (79,5)
	200 (13,φ)		5.5 (20,φ)	φ.0 (30,3)	9.2 (34,φ)	φ.2 (31,0)	14 (53,0)	21 (79,5)
250 (17,2)	6.4 (24,2)		9.7 (36,7)	11 (41,6)	9.0 (34,1)	14 (53,0)	22 (φ3,3)	
300 (20,7)	7.0 (26,5)		11 (41,6)	12 (45,4)	9.3 (35,2)	14 (53,0)	22 (φ3,3)	
400 (27,6)	7.3 (27,6)		11 (41,6)	15 (56,φ)	9.3 (35,2)	14 (53,0)	22 (φ3,3)	
500 (34,5)	7.5 (2φ,4)		12 (45,4)	15 (56,φ)	9.3 (35,2)	14 (53,0)	23 (φ7,1)	
600 (41,4)	7.5 (2φ,4)		12 (45,4)	16 (60,6)	10 (37,φ)	15 (56,φ)	23 (φ7,1)	
φ0 to 300 (5,5 to 20,7)	125 (φ,6)		150 (10,3)	1.5 (5,6φ)	2.φ (10,6)	5.6 (21,2)	5.5 (20,φ)	7.5 (2φ,4)
		175 (12,1)	2.0 (7,57)	3.4 (12,9)	6.6 (25,0)	5.7 (21,6)	φ.5 (32,2)	15 (56,φ)
		200 (13,φ)	2.4 (9,0φ)	3.φ (14,4)	6.φ (25,7)	6.0 (22,7)	9.0 (34,1)	16 (60,6)
		225 (15,5)	2.4 (9,0φ)	4.2 (15,9)	7.0 (26,5)	6.2 (23,5)	9.5 (36,0)	17 (64,3)
		250 (17,2)	3.0 (11,4)	4.φ (1φ,2)	φ.2 (31,0)	6.4 (24,2)	10 (37,φ)	17 (64,3)
		300 (20,7)	3.6 (13,6)	5.3 (20,1)	9.0 (34,1)	6.5 (24,6)	10 (37,φ)	17 (64,3)
		400 (27,6)	3.6 (13,6)	6.0 (22,7)	9.5 (36,0)	φ.0 (30,3)	12 (45,4)	1φ (6φ,1)
		500 (34,5)	3.7 (14,0)	6.1 (23,1)	10 (37,φ)	7.φ (29,5)	12 (45,4)	20 (75,7)
600 (41,4)	4.6 (17,4)	7.0 (26,5)	12 (45,4)	9.1 (34,4)	13 (49,2)	22 (φ3,3)		

1. Capacities are in GPM (l/min) of water.  
 2. To obtain capacities for regulator with metal diaphragms or for Type 95HT, multiply the table values by 0.6.

- continued -

# Bulletin 71.1:95

**Table 21. Water Capacities<sup>(1)</sup> for 1/4 through 1/2-Inch (DN 15) Type 95HP Regulators with Elastomer Diaphragm<sup>(2)</sup> (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	1/4			1/2 (15)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
ϕ0 to 300 (5,5 to 20,7)	200 (13,ϕ)	225 (15,5)	2.6 (9,ϕ4)	4.6 (17,4)	ϕ.0 (30,3)	7.0 (26,5)	11 (41,6)	1ϕ (6ϕ,1)
		250 (17,2)	2.ϕ (10,6)	4.ϕ (1ϕ,2)	ϕ.3 (31,4)	7.2 (27,3)	12 (45,4)	19 (71,9)
		300 (20,7)	3.4 (12,9)	6.2 (23,5)	9.9 (37,5)	7.ϕ (29,5)	12 (45,4)	21 (79,5)
		400 (27,6)	4.0 (15,1)	6.ϕ (25,7)	12 (45,4)	10 (37,ϕ)	16 (60,6)	25 (94,6)
		500 (34,5)	4.6 (17,4)	7.5 (2ϕ,4)	13 (49,2)	10 (37,ϕ)	16 (60,6)	25 (94,6)
		600 (41,4)	5.ϕ (22,0)	9.3 (35,2)	15 (56,ϕ)	11 (41,6)	17 (64,3)	2ϕ (106)
	250 (17,2)	275 (19,0)	3.2 (12,1)	5.4 (20,4)	ϕ.5 (32,2)	7.ϕ (29,5)	13 (49,2)	21 (79,5)
		300 (20,7)	3.4 (12,9)	5.ϕ (22,0)	9.4 (35,6)	ϕ.0 (30,3)	14 (53,0)	22 (ϕ3,3)
		400 (27,6)	3.ϕ (14,4)	7.2 (27,3)	12 (45,4)	10 (37,ϕ)	16 (60,6)	2ϕ (106)
		500 (34,5)	5.0 (1ϕ,9)	9.0 (34,1)	14 (53,0)	11 (41,6)	1ϕ (6ϕ,1)	30 (114)
		600 (41,4)	6.4 (24,2)	10 (37,ϕ)	16 (60,6)	12 (45,4)	20 (75,7)	31 (117)
		300 (20,7)	350 (24,1)	3.ϕ (14,4)	7.0 (26,5)	11 (41,6)	9.5 (36,0)	15 (56,ϕ)
	400 (27,6)		4.0 (15,1)	7.5 (2ϕ,4)	12 (45,4)	10 (37,ϕ)	17 (64,3)	27 (102)
	500 (34,5)		5.2 (19,7)	9.0 (34,1)	14 (53,0)	10 (37,ϕ)	19 (71,9)	29 (110)
	600 (41,4)		6.5 (24,6)	11 (41,6)	16 (60,6)	13 (49,2)	21 (79,5)	33 (125)
ϕ0 to 400 (5,5 to 27,6) Type 95HP only	400 (27,6)	500 (34,5)	5.3 (20,1)	9.2 (34,ϕ)	14 (53,0)	11 (41,6)	20 (75,7)	30 (114)
		600 (41,4)	6.6 (25,0)	12 (45,4)	17 (64,3)	14 (53,0)	22 (ϕ3,3)	35 (132)

1. Capacities are in GPM (l/min) of water.  
2. To obtain capacities for regulator with metal diaphragms or for Type 95HT, multiply the table values by 0.6.

**Table 21. Water Capacities<sup>(1)</sup> for 3/4 through 1-Inch (DN 20 through 25) Type 95HP Regulators with Elastomer Diaphragm<sup>(2)</sup> (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)					
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)		
			Offset			Offset		
		Psig (bar)	10%	20%	40%	10%	20%	40%
15 to 100 (1,0 to 6,9)	15 (1,0)	30 (2,07)	4.5 (17,0)	6.0 (22,7)	9.5 (36,0)	4.0 (15,1)	6.0 (22,7)	9.ϕ (37,1)
		40 (2,76)	4.5 (17,0)	7.0 (26,5)	11 (41,6)	5.0 (1ϕ,9)	7.0 (26,5)	11 (41,6)
		50 (3,45)	5.5 (20,ϕ)	7.ϕ (29,5)	12 (45,4)	6.5 (24,6)	ϕ.5 (32,2)	14 (53,0)
		75 (5,17)	5.5 (20,ϕ)	9.0 (34,1)	15 (56,ϕ)	7.0 (26,5)	11 (41,6)	17 (64,3)
		100 (6,90)	7.0 (26,5)	11 (41,6)	17 (64,3)	7.3 (27,6)	13 (49,2)	21 (79,5)
		150 (10,3)	9.0 (34,1)	13 (49,2)	20 (75,7)	11 (41,6)	17 (64,3)	25 (94,6)
		200 (13,ϕ)	11 (41,6)	16 (60,6)	21 (79,5)	10 (37,ϕ)	17 (64,3)	32 (121)
		250 (17,2)	11 (41,6)	15 (56,ϕ)	21 (79,5)	12 (45,4)	23 (ϕ7,1)	35 (132)
		300 (20,7)	13 (49,2)	19 (71,9)	23 (ϕ7,1)	15 (56,ϕ)	26 (9ϕ,4)	36 (136)
		400 (27,6)	16 (60,6)	23 (ϕ7,1)	27 (102)	20 (75,7)	26 (9ϕ,4)	37 (140)
		500 (34,5)	1ϕ (6ϕ,1)	26 (9ϕ,4)	33 (125)	19 (71,9)	27 (102)	37 (140)
		600 (41,4)	24 (90,ϕ)	33 (125)	42 (159)	1ϕ (6ϕ,1)	30 (114)	41 (155)
	30 (2,1)	40 (2,76)	5.2 (19,7)	7.3 (27,6)	15 (56,ϕ)	5.5 (20,ϕ)	ϕ.0 (30,3)	14 (53,0)
		50 (3,45)	6.0 (22,7)	10 (37,ϕ)	17 (64,3)	7.0 (26,5)	11 (41,6)	17 (64,3)
		75 (5,17)	7.0 (26,5)	13 (49,2)	20 (75,7)	9.0 (34,1)	15 (56,ϕ)	23 (ϕ7,1)
		100 (6,90)	9.0 (34,1)	16 (60,6)	24 (90,ϕ)	11 (41,6)	19 (71,9)	30 (114)
		150 (10,3)	12 (45,4)	19 (71,9)	2ϕ (106)	13 (49,2)	24 (90,ϕ)	35 (132)
		200 (13,ϕ)	14 (53,0)	21 (79,5)	30 (114)	14 (53,0)	26 (9ϕ,4)	44 (167)
		250 (17,2)	16 (60,6)	24 (90,ϕ)	31 (117)	1ϕ (6ϕ,1)	33 (125)	47 (17ϕ)
		300 (20,7)	17 (64,3)	22 (ϕ3,3)	32 (121)	21 (79,5)	34 (129)	52 (197)
		400 (27,6)	16 (60,6)	25 (94,6)	34 (129)	24 (90,ϕ)	39 (14ϕ)	54 (204)
		500 (34,5)	23 (ϕ7,1)	33 (125)	44 (167)	25 (94,6)	40 (151)	56 (212)
		600 (41,4)	30 (114)	3ϕ (144)	51 (193)	30 (114)	42 (159)	5ϕ (220)

1. Capacities are in GPM (l/min) of water.  
2. To obtain capacities for regulators with metal diaphragms or for Type 95HT, multiply the table values by 0.6.

- continued -

**Table 21. Water Capacities<sup>(1)</sup> for 3/4 through 1-Inch (DN 20 through 25) Type 95HP Regulators with Elastomer Diaphragm<sup>(2)</sup> (continued)**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)						
	Outlet Setting, Psig (bar)	Inlet	3/4 (20)			1 (25)			
			Offset			Offset			
		Psig (bar)	10%	20%	40%	10%	20%	40%	
15 to 100 (1,0 to 6,9)	75 (5,2)	100 (6,90)	12 (45,4)	20 (75,7)	27 (102)	14 (53,0)	21 (79,5)	2 $\phi$ (106)	
		125 ( $\phi$ ,62)	15 (56, $\phi$ )	23 ( $\phi$ 7,1)	32 (121)	17 (64,3)	26 (9 $\phi$ ,4)	35 (132)	
		150 (10,3)	17 (64,3)	27 (102)	37 (140)	21 (79,5)	32 (121)	40 (151)	
		200 (13, $\phi$ )	20 (75,7)	31 (117)	43 (163)	24 (90, $\phi$ )	3 $\phi$ (144)	47 (17 $\phi$ )	
		250 (17,2)	24 (90, $\phi$ )	35 (132)	4 $\phi$ (1 $\phi$ 2)	29 (110)	44 (167)	51 (193)	
		300 (20,7)	25 (94,6)	3 $\phi$ (144)	51 (193)	37 (140)	49 (1 $\phi$ 5)	57 (216)	
		400 (27,6)	26 (9 $\phi$ ,4)	3 $\phi$ (144)	5 $\phi$ (220)	39 (14 $\phi$ )	53 (201)	60 (227)	
		500 (34,5)	36 (136)	49 (1 $\phi$ 5)	64 (242)	39 (14 $\phi$ )	57 (216)	65 (246)	
	600 (41,4)	39 (14 $\phi$ )	52 (197)	72 (273)	39 (14 $\phi$ )	57 (216)	70 (265)		
	100 (6,9)	125 ( $\phi$ ,62)	15 (56, $\phi$ )	23 ( $\phi$ 7,1)	29 (110)	17 (64,3)	24 (90, $\phi$ )	32 (121)	
		150 (10,3)	1 $\phi$ (6 $\phi$ ,1)	2 $\phi$ (106)	35 (132)	21 (79,5)	30 (114)	37 (140)	
		175 (12,1)	20 (75,7)	31 (117)	39 (14 $\phi$ )	24 (90, $\phi$ )	36 (136)	42 (159)	
		200 (13, $\phi$ )	23 ( $\phi$ 7,1)	34 (129)	43 (163)	2 $\phi$ (106)	3 $\phi$ (144)	45 (170)	
		250 (17,2)	29 (110)	3 $\phi$ (144)	49 (1 $\phi$ 5)	36 (136)	47 (17 $\phi$ )	51 (193)	
		300 (20,7)	32 (121)	44 (167)	54 (204)	39 (14 $\phi$ )	53 (201)	57 (216)	
		400 (27,6)	32 (121)	4 $\phi$ (1 $\phi$ 2)	63 (23 $\phi$ )	41 (155)	61 (231)	65 (246)	
		500 (34,5)	33 (125)	49 (1 $\phi$ 5)	64 (242)	41 (155)	61 (231)	66 (250)	
	600 (41,4)	44 (167)	61 (231)	77 (291)	41 (155)	61 (231)	70 (265)		
$\phi$ 0 to 300 (5,5 to 20,7)	125 ( $\phi$ ,6)	150 (10,3)	9.0 (34,1)	16 (60,6)	2 $\phi$ (106)	13 (49,2)	19 (71,9)	32 (121)	
		175 (12,1)	12 (45,4)	20 (75,7)	31 (117)	13 (49,2)	22 ( $\phi$ 3,3)	36 (136)	
		200 (13, $\phi$ )	13 (49,2)	22 ( $\phi$ 3,3)	33 (125)	16 (60,6)	25 (94,6)	41 (155)	
		225 (15,5)	15 (56, $\phi$ )	24 (90, $\phi$ )	39 (14 $\phi$ )	16 (60,6)	27 (102)	44 (167)	
		250 (17,2)	16 (60,6)	27 (102)	41 (155)	1 $\phi$ (6 $\phi$ ,1)	30 (114)	47 (17 $\phi$ )	
		300 (20,7)	17 (64,3)	2 $\phi$ (106)	43 (163)	21 (79,5)	35 (132)	51 (193)	
		400 (27,6)	19 (71,9)	35 (132)	47 (17 $\phi$ )	22 ( $\phi$ 3,3)	3 $\phi$ (144)	55 (20 $\phi$ )	
		500 (34,5)	24 (90, $\phi$ )	36 (136)	51 (193)	23 ( $\phi$ 7,1)	40 (151)	56 (212)	
	600 (41,4)	2 $\phi$ (106)	40 (151)	59 (223)	2 $\phi$ (106)	42 (159)	62 (235)		
	200 (13, $\phi$ )	225 (15,5)	16 (60,6)	25 (94,6)	37 (140)	17 (64,3)	25 (94,6)	40 (151)	
		250 (17,2)	17 (64,3)	2 $\phi$ (106)	42 (159)	20 (75,7)	30 (114)	41 (155)	
		300 (20,7)	19 (71,9)	31 (117)	47 (17 $\phi$ )	22 ( $\phi$ 3,3)	35 (132)	51 (193)	
		400 (27,6)	24 (90, $\phi$ )	3 $\phi$ (144)	56 (212)	2 $\phi$ (106)	44 (167)	65 (246)	
		500 (34,5)	25 (94,6)	40 (151)	61 (231)	29 (110)	45 (170)	67 (254)	
		600 (41,4)	30 (114)	45 (170)	70 (265)	30 (114)	46 (174)	72 (273)	
		250 (17,2)	275 (19,0)	19 (71,9)	29 (110)	41 (155)	20 (75,7)	31 (117)	44 (167)
			300 (20,7)	19 (71,9)	31 (117)	44 (167)	23 ( $\phi$ 7,1)	34 (129)	4 $\phi$ (1 $\phi$ 2)
	400 (27,6)		23 ( $\phi$ 7,1)	37 (140)	56 (212)	29 (110)	45 (170)	62 (235)	
	500 (34,5)		27 (102)	42 (159)	64 (242)	30 (114)	4 $\phi$ (1 $\phi$ 2)	70 (265)	
	600 (41,4)		31 (117)	4 $\phi$ (1 $\phi$ 2)	74 (2 $\phi$ 0)	32 (121)	50 (1 $\phi$ 9)	74 (2 $\phi$ 0)	
	300 (20,7)	350 (24,1)	21 (79,5)	35 (132)	47 (17 $\phi$ )	24 (90, $\phi$ )	3 $\phi$ (144)	50 (1 $\phi$ 9)	
		400 (27,6)	24 (90, $\phi$ )	39 (14 $\phi$ )	53 (201)	27 (102)	44 (167)	5 $\phi$ (220)	
		500 (34,5)	27 (102)	43 (163)	60 (227)	31 (117)	50 (1 $\phi$ 9)	70 (265)	
		600 (41,4)	32 (121)	51 (193)	75 (2 $\phi$ 4)	35 (132)	55 (20 $\phi$ )	74 (2 $\phi$ 0)	
$\phi$ 0 to 400 (5,5 to 27,6) Type 95HP only	400 (27,6)	500 (34,5)	27 (102)	44 (167)	64 (242)	32 (121)	51 (193)	70 (265)	
		600 (41,4)	33 (125)	53 (201)	77 (291)	3 $\phi$ (144)	5 $\phi$ (220)	76 (2 $\phi$ $\phi$ )	

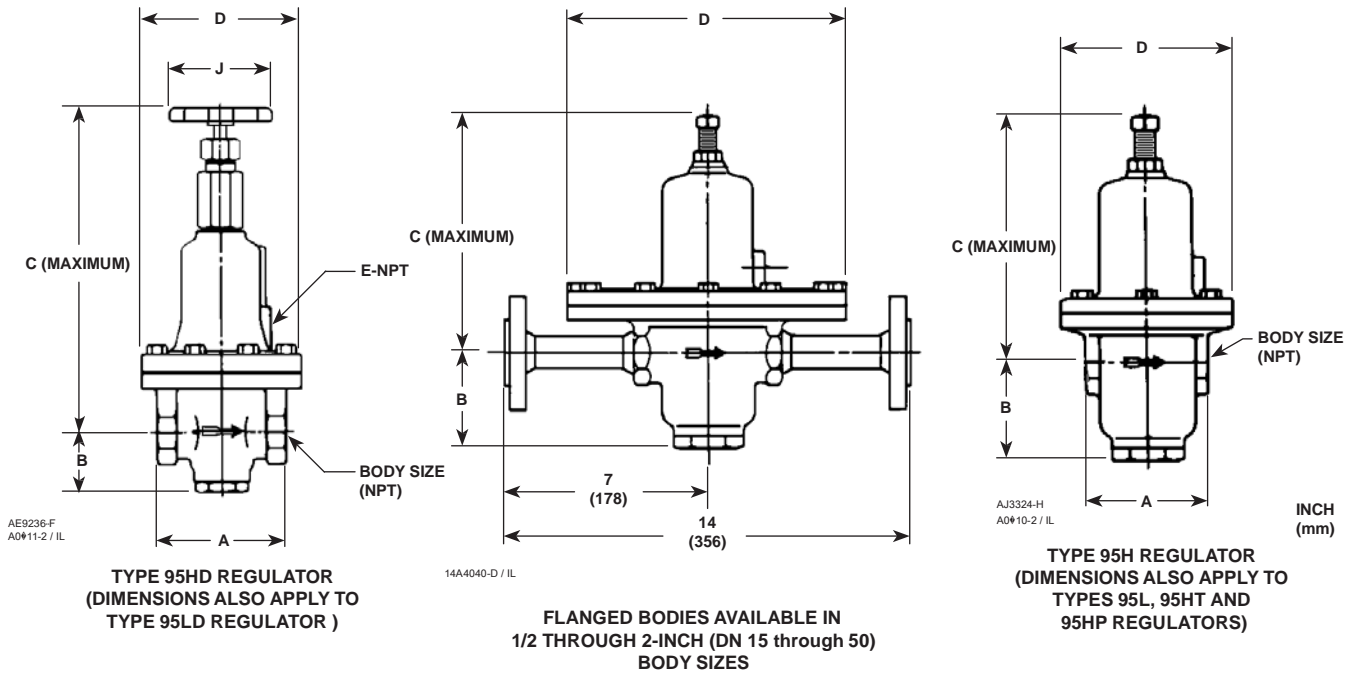
1. Capacities are in GPM (l/min) of water.  
 2. To obtain capacities for regulators with metal diaphragms or for Type 95HT, multiply the table values by 0.6.

# Bulletin 71.1:95

**Table 22. Water Capacities<sup>(1)</sup> for 1-1/2 through 2-Inch (DN 40 through 50) Types 95HT (Metal Diaphragm) and 95HP (Elastomer Diaphragm) Regulators**

RECOMMENDED OUTLET PRESSURE RANGE, PSIG (bar)	PRESSURE		REGULATOR BODY SIZE, INCHES (DN)						
	Outlet Setting, Psig (bar)	Inlet Psig (bar)	1-1/2 (40)			2 (50)			
			Offset			Offset			
			10%	20%	40%	10%	20%	40%	
15 to 100 (1,0 to 6,9)	15 (1,0)	30 (2,07)	9.0 (34,1)	12 (45,4)	1 1/8 (6 1/8)	11 (41,6)	14 (53,0)	21 (79,5)	
		40 (2,76)	11 (41,6)	13 (49,2)	1 1/4 (71,9)	12 (45,4)	16 (60,6)	24 (90, 1/8)	
		50 (3,45)	12 (45,4)	15 (56, 1/8)	1 1/2 (79,5)	13 (49,2)	17 (64,3)	2 1/8 (106)	
		75 (5,17)	14 (53,0)	1 1/8 (6 1/8)	25 (94,6)	15 (56, 1/8)	21 (79,5)	35 (132)	
		100 (6,90)	16 (60,6)	22 (83,3)	29 (110)	1 1/8 (6 1/8)	26 (9 1/4)	45 (170)	
		150 (10,3)	22 (83,3)	31 (117)	39 (14 1/8)	29 (110)	50 (1 1/8)	1/2 (322)	
		200 (13, 1/8)	30 (114)	40 (151)	50 (1 1/8)	50 (1 1/8)	92 (34 1/8)	120 (454)	
		250 (17,2)	35 (132)	47 (17 1/8)	65 (246)	70 (265)	95 (360)	120 (454)	
		300 (20,7)	37 (140)	51 (193)	1/2 (322)	1/2 (322)	100 (37 1/8)	120 (454)	
	400 (27,6)	40 (151)	5 1/8 (220)	120 (454)	45 (2) (170)(2)	63 (2) (23 1/8)(2)	75 (2) (2 1/4)(2)		
	500 (34,5)	43 (163)	65 (246)	140 (530)	47 (2) (17 1/8)(2)	67 (2) (254)(2)	77 (2) (291)(2)		
	600 (41,4)	45 (170)	71 (269)	140 (530)	50 (2) (1 1/8)(2)	70 (2) (265)(2)	1/2 (2) (303)(2)		
	50 (3,4)	60 (4,14)	20 (75,7)	2 1/8 (106)	50 (1 1/8)	19 (71,9)	31 (117)	56 (212)	
		75 (5,17)	23 ( 1/8, 1)	33 (125)	57 (216)	23 ( 1/8, 1)	3 1/8 (144)	69 (261)	
		100 (6,90)	26 (9 1/4)	39 (14 1/8)	67 (254)	30 (114)	52 (197)	1/8 (337)	
		150 (10,3)	34 (129)	50 (1 1/8)	1/8 (326)	45 (170)	1/8 (303)	130 (492)	
		200 (13, 1/8)	40 (151)	60 (227)	110 (416)	5 1/8 (220)	100 (37 1/8)	160 (606)	
		250 (17,2)	47 (17 1/8)	67 (254)	130 (492)	72 (273)	120 (454)	1 1/8 (6 1/8)	
		300 (20,7)	52 (197)	75 (2 1/4)	150 (56 1/8)	1/2 (322)	130 (492)	190 (719)	
		400 (27,6)	62 (235)	1/2 (322)	190 (719)	1/2 (322)(2)	110 (2) (416)(2)	140 (2) (530)(2)	
		500 (34,5)	71 (269)	100 (37 1/8)	240 (90 1/8)	92 (2) (34 1/8)(2)	110 (2) (416)(2)	140 (2) (530)(2)	
	600 (41,4)	76 (2 1/8)	110 (416)	240 (90 1/8)	100 (2) (37 1/8)(2)	120 (2) (454)(2)	140 (2) (530)(2)		
	100 (6,9)	125 ( 1/2, 62)	37 (140)	57 (216)	95 (360)	45 (170)	75 (2 1/4)	100 (37 1/8)	
		150 (10,3)	45 (170)	65 (246)	110 (416)	55 (20 1/8)	110 (416)	120 (454)	
		175 (12,1)	49 (1 1/8)	70 (265)	120 (454)	65 (246)	120 (454)	130 (492)	
		200 (13, 1/8)	54 (204)	1/8 (303)	130 (492)	73 (276)	140 (530)	150 (56 1/8)	
		250 (17,2)	63 (23 1/8)	95 (360)	160 (606)	90 (341)	170 (643)	170 (643)	
		300 (20,7)	70 (265)	110 (416)	1 1/8 (6 1/8)	110 (416)	190 (719)	190 (719)	
		400 (27,6)	1/2 (322)	130 (492)	220 ( 1/8, 33)	93 (2) (352)(2)	120 (2) (454)(2)	170 (2) (643)(2)	
		500 (34,5)	90 (341)	140 (530)	240 (90 1/8)	100 (2) (37 1/8)(2)	130 (2) (492)(2)	170 (2) (643)(2)	
		600 (41,4)	100 (37 1/8)	160 (606)	260 (9 1/4)	110 (2) (416)(2)	140 (2) (530)(2)	1 1/8 (2) (6 1/8)(2)	
	60 to 260 (4,1 to 17,9)	125 ( 1/2, 6)	150 (10,3)	2 1/8 (106)	42 (159)	6 1/8 (257)	24 (90, 1/8)	49 (1 1/8)	1/4 (31 1/8)
			175 (12,1)	29 (110)	45 (170)	71 (269)	31 (117)	55 (20 1/8)	1/8 (329)
200 (13, 1/8)			31 (117)	50 (1 1/8)	77 (291)	36 (136)	63 (23 1/8)	91 (344)	
225 (15,5)			34 (129)	55 (20 1/8)	1/4 (31 1/8)	42 (159)	70 (265)	96 (363)	
250 (17,2)			3 1/8 (144)	61 (231)	95 (360)	47 (17 1/8)	1/8 (303)	110 (416)	
300 (20,7)			45 (170)	71 (269)	120 (454)	55 (20 1/8)	95 (360)	140 (530)	
400 (27,6)			5 1/8 (220)	90 (341)	150 (56 1/8)	62 (235)	230 ( 1/8, 71)	240 (90 1/8)	
500 (34,5)			65 (246)	100 (37 1/8)	170 (643)	70 (265)	240 (90 1/8)	260 (9 1/4)	
600 (41,4)			71 (269)	110 (416)	1 1/8 (6 1/8)	200 (757)	270 (1022)	290 (109 1/8)	
200 (13, 1/8)		225 (15,5)	40 (151)	60 (227)	110 (416)	46 (174)	72 (273)	120 (454)	
		250 (17,2)	45 (170)	75 (2 1/4)	120 (454)	50 (1 1/8)	1/8 (303)	130 (492)	
		300 (20,7)	52 (197)	1/8 (333)	130 (492)	5 1/8 (220)	96 (363)	150 (56 1/8)	
		350 (24,1)	54 (204)	90 (341)	150 (56 1/8)	72 (273)	110 (416)	170 (643)	
		400 (27,6)	60 (227)	100 (37 1/8)	1 1/8 (6 1/8)	74 (2 1/4)	160 (606)	220 ( 1/8, 33)	
		450 (31,0)	75 (2 1/4)	120 (454)	190 (719)	95 (360)	1 1/8 (6 1/8)	240 (90 1/8)	
		500 (34,5)	1/8 (314)	130 (492)	200 (757)	110 (416)	200 (757)	260 (9 1/4)	
		600 (41,4)	91 (344)	140 (530)	210 (795)	150 (56 1/8)	2 1/8 (1060)	290 (109 1/8)	
		250 (17,2)	275 (19,0)	46 (174)	77 (291)	130 (492)	50 (1 1/8)	1/8 (326)	140 (530)
300 (20,7)	50 (1 1/8)		1/2 (322)	140 (530)	55 (20 1/8)	1/8 (337)	150 (56 1/8)		
350 (24,1)	60 (227)		96 (363)	150 (56 1/8)	65 (246)	100 (37 1/8)	170 (643)		
400 (27,6)	65 (246)		100 (37 1/8)	1 1/8 (6 1/8)	70 (265)	130 (492)	190 (719)		
450 (31,0)	70 (265)		120 (454)	200 (757)	90 (341)	160 (606)	210 (795)		
500 (34,5)	1/8 (307)		130 (492)	220 ( 1/8, 33)	100 (37 1/8)	170 (643)	230 ( 1/8, 71)		
550 (37,9)	1/2 (310)		140 (530)	230 ( 1/8, 71)	120 (454)	190 (719)	250 (946)		
600 (41,4)	1/2 (322)		150 (56 1/8)	240 (90 1/8)	130 (492)	250 (946)	260 (9 1/4)		
60 to 300 (4,1 to 20,7) Type 95HP only	300 (20,7)		350 (24,1)	55 (20 1/8)	94 (356)	140 (530)	60 (227)	110 (416)	160 (606)
		400 (27,6)	60 (227)	110 (416)	1 1/8 (6 1/8)	75 (2 1/4)	120 (454)	1 1/8 (6 1/8)	
		450 (31,0)	70 (265)	120 (454)	200 (757)	97 (367)	150 (56 1/8)	200 (757)	
		500 (34,5)	1/8 (303)	140 (530)	220 ( 1/8, 33)	110 (416)	1 1/8 (6 1/8)	220 ( 1/8, 33)	
		550 (37,9)	1/8 (333)	150 (56 1/8)	230 ( 1/8, 71)	120 (454)	210 (795)	240 (90 1/8)	
		600 (41,4)	90 (341)	150 (56 1/8)	250 (946)	140 (530)	240 (90 1/8)	250 (946)	

1. Capacities are in GPM (l/min) of water.  
2. Capacities limited due to boost.



TYPES 95L REGULATORS											
BODY SIZE, INCHES (DN)	A				B		C		D		
	Cast Iron		Steel/SST		Inch	mm	Inch	mm	Inch	mm	
	Inch	mm	Inch	mm							
1/4	2.25	57,2	2.75	69,9	1.01	46,0	4.62	117	5.06	129	
1/2 (15)	3.00	90,6	4.00	102	1.01	46,0	6.12	155	7.00	170	
3/4, 1 (20, 25)	4.00	124	5.00	127	2.25	57,2	9.12	232	10.19	259	
TYPES 95H, 95HT AND 95HP REGULATORS											
1/4	2.25	57,2	2.75	69,9	1.01	46,0	4.50	114	3.19	1.00	
1/2 (15)	3.00	90,6	4.00	102	1.01	46,0	6.00	152	4.25	10.00	
3/4, 1 (20, 25)	4.00	124	5.00	127	2.25	57,2	9.12	232	6.06	15.00	
1-1/2, 2 (40, 50)	7.25	104	7.30	107	2.00	73,2	14.69	373	0.19	20.00	

TYPE 95LD REGULATORS													
BODY SIZE, INCHES (DN)	A				B		C		D		E (NPT)	J	
	Cast Iron		Steel		Inch	mm	Inch	mm	Inch	mm	Inch	Inch	mm
	Inch	mm	Inch	mm									
1/4	2.25	57,2	2.75	69,9	1.01	46,0	7.94	202	5.06	129	1.00	2.75	69,9
1/2 (15)	3.00	90,6	4.00	102	1.01	46,0	10.12	257	7.00	170	1/4	4.00	102
3/4, 1 (20, 25)	4.00	124	5.00	127	2.25	57,2	15.31	309	10.19	259	1/4	4.00	102
TYPE 95HD REGULATOR													
1/4	2.25	57,2	2.75	69,9	1.01	46,0	7.00	200	3.19	1.00	1.00	2.75	69,9
1/2 (15)	3.00	90,6	4.00	102	1.01	46,0	10.00	254	4.25	10.00	1/4	4.00	102
3/4, 1 (20, 25)	4.00	124	5.00	127	2.25	57,2	15.12	304	6.06	154	1/4	4.00	102
1-1/2, 2 (40, 50)	7.25	104	7.30	107	2.00	73,2	10.31	465	0.19	20.00	1/4	6.75	171

Figure 6. Dimensions

# Bulletin 71.1:95

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## Ordering Information

When ordering, specify:

## Application Information

1. Type of gas/liquid being controlled (air, ammonia, water, process chemicals, etc.); list any factors such as impurities in the gas/liquid that may affect the compatibility with the regulator trim parts.
2. Specific gravity of the gas/liquid
3. Temperature of the gas/liquid
4. Range of flowing inlet pressure to regulator
5. Outlet pressure setting or range

6. Flow rates
  - a. Minimum controlled flow
  - b. Normal flow
  - c. Maximum flow
7. Line size and end connection size of adjacent piping

## Regulator Information

Refer to the Specifications section on page 2 and carefully review the description to the right of each specification and in the referenced tables. Specify the desired selection wherever there is a choice to be made. Always specify the regulator type number.