# DATA SHEET

### T 3008 EN



Series 42 Self-operated Pressure Regulators (opening) · ANSI version



### **Application**

Differential pressure regulator for extended heating systems and industrial applications Differential pressure set points ( $\Delta$ p) from **0.75 to 145 psi**/0.05 to 10 bar · Valves **NPS** ½ **to 10** ¹¹/DN 15 to 250 · Pressure rating **Class 125 to 300** · Suitable for liquids and vapors ²¹ from **40 to 660** °F/5 to 350 °C, for air and non-flammable gases up to **175** °F/80 °C

The valve opens when the differential pressure rises.

The differential pressure to be controlled is transmitted to the spring-loaded operating diaphragm in the actuator and converted into a positioning force to move the valve plug. The regulators control the differential pressure according to the adjusted set point.

### Special features

- Type 42-20: Fixed set point
- Type 42-25: Set point adjustable in wide range
- Low-noise, medium-controlled proportional regulator requiring little maintenance
- Single-seated valve with a plug balanced by a stainless steel bellows or a diaphragm (NPS 2½ to 10/DN 65 to 250)
- Suitable for circuit water, water/glycol mixtures, steam and air as well as other liquids, gases and vapors, provided these do not affect the characteristics of the operating diaphragm
- Valve body optionally made of cast iron A126B, cast steel A216 WCC or cast stainless steel A351 CF8M

### **Versions**

Differential pressure regulators for installation in a bypass pipe or short-circuit pipe (see Fig. 4) · Flanged connections

- Type 42-20 (Fig. 1) · Type 2422 Valve · Balanced by a bellows NPS ½ to 4/DN 15 to 100 · Balanced by a diaphragm NPS 2½ to 4/DN 65 to 100 · Type 2420 Actuator · Fixed set point, adjusted to Δp = 3, 4, 6 or 7 psi/0.2, 0.3, 0.4 or 0.5 bar
- Type 42-25 · Type 2422 Valve · Balanced by a bellows NPS ½ to 10/DN 15 to 250 · Balanced by a diaphragm NPS 2½ to 10/DN 65 to 250 · Type 2425 Actuator · Set point adjustable within the range between 0.75 to 145 psi/0.05 to 10 bar



Fig. 1: Type 42-20 Differential Pressure Regulator

Fig. 2: Type 42-25 Differential Pressure Regulator

SAMSOI

### Accessories

Required accessories, such as compression-type fittings, needle valves, compensation chambers and control lines, are listed in Data Sheet ▶ T 3095.

### **Special versions**

- Actuator with two diaphragms (Type 42-25)
- Actuator with FKM diaphragm, e.g. for mineral oils
- Special C<sub>V</sub>/K<sub>VS</sub> (reduced)
- Valve made of stainless steel (at least 1.4301)
- Valves larger than NPS 10/DN 250 on request
- Version for temperatures above 430 °F/220 °C
- Check valve for deionized water (> T 3010)
- Version free of non-ferrous metal on request

<sup>&</sup>lt;sup>1)</sup> Valves larger than NPS 10/DN 250 on request

<sup>2)</sup> Version balanced by a bellows only

- Special set point 8 to 16 bar for valves ≤ DN 100 on request
- Version for small flow rates  $\cdot$  Valve with micro trim with  $C_V$  0.0012 to 0.05/ $K_{VS}$  0.001 to 0.04 or  $C_V$  0.12, 0.5 and 1.2/ $K_{VS}$  0.1, 0.4 and 1 without pressure balancing

### Principle of operation (see Fig. 3)

The medium flows through the valve in the direction indicated by the arrow. The position of the valve plug (3) determines the differential pressure over the cross-sectional area released between the plug (3) and seat (2).

The Type 2422 Valve is balanced. The forces acting on the valve plug created by the upstream and downstream pressures are balanced by a balancing bellows (5) or balancing diaphragm (5.1).

In valves balanced by a bellows, the upstream pressure  $p_1$  acts on the outside of the metal bellows (5), while the downstream pressure  $p_2$  acts on the inside of the bellows. In a valve

balanced by a diaphragm, the downstream pressure  $p_2$  acts on the inside and the upstream pressure  $p_1$  on the outside of the balancing diaphragm (5.1). In both cases, the forces created by the upstream and downstream pressures acting on the valve plug are balanced out.

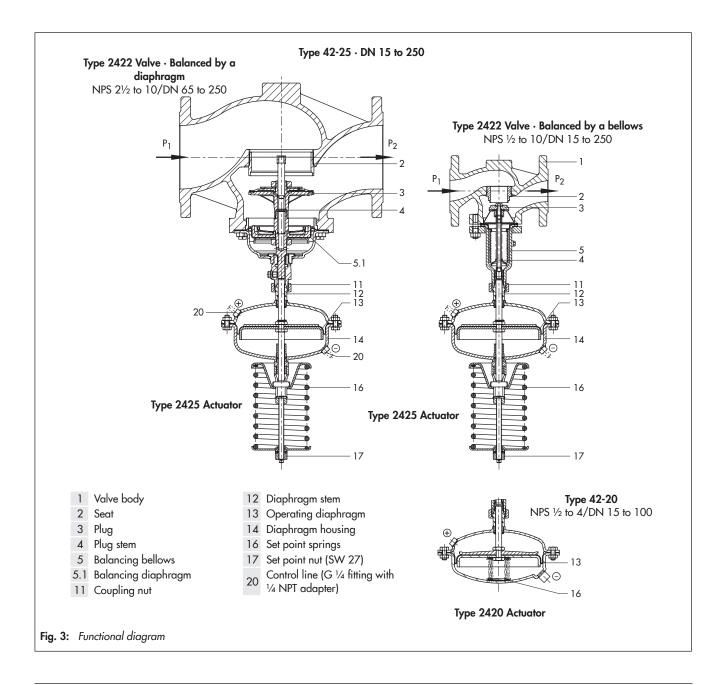
The differential pressure to be controlled is transferred to the operating diaphragm (13) where it is transformed into a positioning force. This force is used to move the plug (3) according to the force of the set point springs. The valve begins to open as soon as the differential pressure exceeds the set point.

In **Type 42-25**, the set point can be adjusted at the set point adjuster (17).

In **Type 42-20**, the set point springs (16) in the actuator determines the set point.

All versions have control lines to transfer the high pressure (+) and low pressure (-) to the actuator.

We offer a special version of Type 42-25 with an actuator with two diaphragms.



# Type 42-25 Differential Pressure Regulator with two diaphragms

SAMSON offers a special version of Type 42-25 with an actuator with two diaphragms (see Fig. 5). The actuator with two diaphragms provides increased functional reliability.

An actuator with two diaphragms is always required when an FKM diaphragm is to be used. It is especially suitable for applications with thin oils (e.g. heat transfer oil).

The two diaphragms separate both diaphragm chambers connected to the high-pressure and low-pressure connections. They generate a positioning force from the differential pressure. The two diaphragms separate both diaphragm chambers connected to the high-pressure and low-pressure connections. They generate a positioning force from the differential pressure. A mechanical diaphragm rupture indicator (22) is located between the two diaphragms, which responds at approx. 22 psi/1.5 bar. In the event of a diaphragm rupture, the pressure in the space between the two operating diaphragm starts to increase. This causes the pin in the diaphragm rupture indicator to be pushed outwards and a red ring appears, indicating the diaphragm rupture. The intact operating diaphragm takes on the control task of the ruptured diaphragm.

A pressure switch can be optionally mounted to the actuator to trigger an alarm.

We recommend replacing both diaphragms after a diaphragm rupture is indicated.

### Installing the valve and mounting the actuator

Valve, actuator and control lines (accessories) are delivered unattached.

A coupling nut is used to attach the actuator to the valve. Preferably mount the actuator after the valve is installed.

The following points must be observed:

- Install the valve in horizontal pipelines.
- The direction of flow must match the direction indicated by the arrow on the body.
- Install a strainer (e.g. SAMSON Type 2 NI) upstream of the valve.

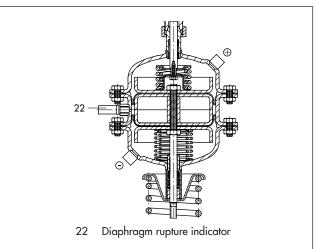


Fig. 5: Actuator with two diaphragms for Type 42-25 (special version)

### Permissible mounting positions

- Actuator suspended: standard installation, all versions, above 175 °F/80 °C and for applications with steam
- Actuator sideways: versions balanced by a bellows with fixed plug guide
- Actuator upright (actuator on top of the valve): all versions NPS  $\frac{1}{2}$  to  $\frac{3}{DN}$  15 to 80 and max. 175 °F/80 °C

Refer to ▶ 3007 for details.

### **Application**

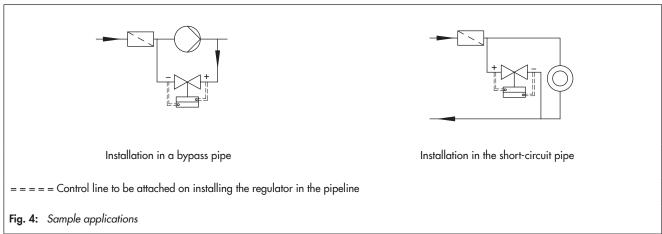


Table 1: Technical data

Туре			42	-25		42-20				
Valve size		١	IPS ½ to 10/	/DN 15 to 25	50	NPS ½ to 4/DN 15 to 100				
Pressure rating		Class 125, 150 and 300								
Max. permissible	Valve	See pressure-temperature diagram in ▶ T 3000								
temperature	Actuator 1)	With compensation chamber: steam and liquids up to 660 °F/350 °C $^{2)}$ Without compensation chamber: liquids up to 300 °F/150 °C, air and gases up to 175 °F/80 °C								
Set point ranges	psi			8.5 · 3 to 14 0 to 75 · 65		3, 4, 6 or 7				
	bar			0.6 · 0.2 to 2 to 5 · 4.5 to		0.2 · 0.3 · 0.4 · 0.5				
A	in <sup>2</sup>	12	25	50	100	25	50			
Actuator area A	cm <sup>2</sup>	80	160	320	640	160	320			
Max. perm. operating	psi	580	580	360	360	-				
pressure for actuator with two diaphragms	bar	40	40	25	25	-				
Leakage class according to ANSI/ FCI 70-2		≤0.05 % of C <sub>V</sub> /K <sub>VS</sub> coefficient								
Conformity					CE	· EAC				

**Table 2:** Materials · Material numbers according to ASTM and DIN EN

Table 2.1: Materials for Type 2422 Valve

Type 2422	2 Valve · Balanced by a bellows						
Valve size			NPS 1/2 to 10/DN 1	5 to 250			
Pressure ro	ating	Class 125	Class 150 and 300	O Class 150 and 300	0		
Valve bod	у	Cast iron A126B	Cast steel A216 WCC	Cast stainless stee A351 CF8M	I		
Valve seat		Stainless steel 1.	4104 or 1.4006	1.4404			
Dl s.	Up to NPS 4/DN 100	Stainless steel 1.4104	, 1.4112 or 1.4006 <sup>1)</sup>	1.4404			
Plug	NPS 6 to 10/DN 150 to 250	NPS 6 to 10/DN 150 to 250 1.4404, with PTFE soft seal					
Plug stem			1.4301				
Metal bell	ows	1.43	571 · NPS 6/DN 150 ar	nd larger: 1.4404			
Bottom sec	ction	P26	5GH	1.4571			
Body gask	ret	Graphite on metal core					
Type 2422	2 Valve · Balanced by a diaphragm						
Valve size			NPS 21/2 to 4/DN 6	55 to 100			
Pressure ro	ating	Class 125	Class 150	Class 150			
Valve bod	у	Cast iron A126	Cast steel A216 WCC	Cast steel A216 WCC			
Valve seat		1.4408					
Plug		CW617N					
Pressure b	alancing	Diaphragm plate EN-JS1030 · EPDM balancing diaphragm, max. 300 °F/150 °C or NBR diaphragm, max. 175 °F/80 °C					
Valve size			NPS 6 to 10/DN 15	50 to 250			
Pressure ro	ating	Class 125	Class 150 and 300	O Class 150 and 300	0		
Valve bod	у	Cast iron A126B	Cast steel A216 WCC	Cast stainless stee A351 CF8M	I		
Valve seat		CC499K <sup>2)</sup>					
Plug		CC499K <sup>2)</sup> · With EPDM soft seal, max. 300 °F/150 °C or with PTFE soft seal, max. 300 °F/150 °C					
Pressure b	alancing	Diaphragm plate EN-JS1030 (EN-GJ2-400-15) · EPDM balancing diaphragm, max. 300 °F/150 °C or NBR diaphragm, max. 175 °F/80 °C					

Optionally with soft seal with standard  $C_{V}/K_{VS}$  coefficients Special version 1.4409

Higher temperatures on request Steam version only with valves balanced by a bellows

Table 2.2: Materials for Type 2420/Type 2425 Actuator

Type 2420/Type 2425 Actuator						
Valve body	Cast iron A126B	Cast stainless steel A351 CF8M				
Diaphragm cases	DD	1.4301				
Diaphragm	EPDM 1) with fabric reinforcement					
Guide bushing	DU b	PTFE				
Seals	EPDM/PTFE 1)					

<sup>1)</sup> Special version, e.g. for mineral oils: FKM

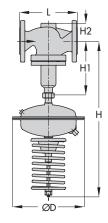
**Table 3:**  $C_V/K_{VS}$  coefficients,  $x_{FZ}$  values and max. permissible differential pressures Terms for control valve sizing according to IEC 60534, Parts 2-1 and 2-2:  $F_L = 0.95$ ,  $X_T = 0.75$ 

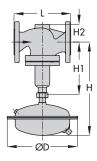
isino ioi como i ano significanti di como i ano gia i													
Type 2422 Valve · Balanced by a bellows													
NPS		1/2 1)	3/4 1)	<b>1</b> 1)	11/2	2	<b>2</b> ½	3	4	6	8	10	
Valve size	DN	15	20	25	40	50	65	80	100	150	200	250	
Valve travel			0.4"/10 mm					0.6"/16 mm			0.9"/22 mm		
K <sub>VS</sub> /C <sub>V</sub> : standard	C^	5	7.5	9.4	23	37	60	94	145	330	490	590	
	K <sub>VS</sub>	4	6.3	8	20	32	50	80	125	280	420	500	
Max. perm. diffe pressure Δp	erential	360 psi/25 bar							230 psi/ 16 bar	175 psi/ 12 bar	145 psi/10 bar		
Reduced C <sub>v</sub> /	C <sub>v</sub>	-	-	5	9.4	20	3	37	94	145	330		
K <sub>VS</sub> coefficient	K <sub>VS</sub>	-	-	4	8	16	3	32	80	125	280		
360 ng/35 har						290 psi/ 20 bar	230 psi/ 16 bar	175 psi	/12 bar				
x <sub>FZ</sub> value		0.65	0.6	0.55	0.45	0.4 0.35				0	.3		

Special valve version with micro-trim:  $C_V$  0.0012 to 0.05/ $K_{VS}$  0.001 to 0.04 or  $C_V$  0.12, 0.5 and 1.2/ $K_{VS}$  0.1, 0.4 and 1 without pressure balancing

Type 2422 Valve · Balanced by a diaphragm									
Valve size	NPS	21/2	3	4	6	8	10		
	DN	65	80	100	150	200	250		
Valve travel			0.6"/15 mm		1.4"/35 mm				
K <sub>VS</sub> /C <sub>V</sub> coefficient	C <sub>V</sub>	60	95	150	445 760		930		
	K <sub>VS</sub>	50	80	125	380	650	800		
Max. perm. differential pressure Δp			145 psi/10 bar		175 psi/12 bar	145 psi/10 bar			
x <sub>FZ</sub> value		0.4		0.35		0.3			

### Dimensional drawings for Type 42-25 and Type 42-20 balanced by a bellows · Dimensions and weights (see Table 4)





Type 42-25 · Type 2422 Valve balanced by a bellows with Type 2425 Type 42-20 · Type 2422 Valve balanced by a bellows with Type 2420 Actuator

Type 42-25 with two diaphragms: add approx. 2.2"/55 mm to the overall height H.

Table 4: Dimensions and weights for Type 42-20 and Type 42-25 · Balanced by a bellows

V.b		NPS	1/2	3/4	1	11/2	2	<b>2</b> ½	3	4	6	8	10
Valve size		DN	15	20	25	40	50	65	80	100	150	200	250
	Class 125	inch		7.25		8.75	10	10.9	11.75	13.9	17.75	21.4	26.5
	and 150	mm		184		222	254	276	298	352	451	543	673
	Cl 200	inch	7.5	7.6	7.75	9.25	10.5	11.5	12.5	14.5	18.6	22.4	27.9
	Class 300	mm	190	194	197	235	267	292	318	368	473	568	708
Height H1					8.9			11	1.8	14	23.2	28	3.7
neight n i		mm			225			300		355	590	0 730	
		inch		1.73			2.83		.93	4.65	6.9	9.6	10.6
חייייי חס	Cast steel	mm		44		7	72	9	98	118	175	245	270
Height H2	ataal	inch	2.1	_	2.76	3.62	3.86	_	5.05			_	
		mm	53	_	70	92	98	_	128			_	

### Type 42-20 Differential Pressure Regulator

Set points	Type 2420 A	ctuator									
2 1 4	Height H		1.5	5.4"/390 ו	mm		18.3″/	465 mm		20.5"/520 mm	
3, 4, 6, 7 psi/0.2,	Actuator	ØD=	$\emptyset$ D = 8.9"/225 mm · A = 25 in <sup>2</sup> /160 cm <sup>2 2</sup>					$\varnothing D = 11.2''/285 \text{ mm} \cdot A = 50 \text{ in}^2/320 \text{ cm}^2$			
0.3, 0.4, 0.5 bar Weig	lb	25	27	29	44	50	84	95	126		
	vveignr or ko	11.5	12	13	20	22.5	38	43	57	-	

Optionally with actuator 100 in<sup>2</sup>/640 cm<sup>2</sup>

 $<sup>^{2)}</sup>$  Optionally with actuator 50 in<sup>2</sup>/320 cm<sup>2</sup>

 $<sup>^{3)}</sup>$  The weight applies to the version with the material specifications A126B. Add +10 % for all other materials.

**Table 4:** Dimensions and weights for Type 42-20 and Type 42-25 · Balanced by a bellows

0.5 to 1.5 bar      Actuator	mm · cm² 1069 485		
Type 2425 Actuator	mm · cm <sup>2</sup> 1069 485		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	mm · cm² 1069 485		
Height H	mm · cm <sup>2</sup> 1069 485		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1069 485 60 mm		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1069 485 60 mm		
Height H	60 mm		
Height H	mm ·		
8.5 psi/ 0.1 to 0.6 bar         Actuator			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
Height H	1069		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	485		
14.5 psi/ 0.2 to 1 bar   Actuator   $O(3) = 8.9^{\circ\prime\prime}/225 \text{ mm} \cdot A = 25 \text{ in}^2/160 \text{ cm}^2/2)$   $O(3) = 15.4^{\circ\prime\prime}/390 \text{ m}$   $O(3) = 100 \text{ m}^2/640 \text{ m}^2/2$   $O(3) = 100 \text{ m}^2/2$	60 mm		
Weight $^{31}$ $^{16}$			
Height H	1069		
7 to 20 psi/ 0.5 to 1.5 bar  Height H  24.6"/625 mm  30"/700 mm  755 mm  1070 mm  47.6"/12  Actuator  ØD = 8.9"/225 mm · A = 25 in²/160 cm²²²  Weight ³)  Weight H  24.6"/625 mm  27.6"/700 mm  1070 mm  47.6"/12  Actuator  ØD = 11.2"/285 m  A = 50 in²/320 cm²²²  A = 50 in²/320 cm²²  A = 50 in²/320 c	485		
	10 mm		
Weight 3    Weig	$\varnothing$ D = 11.2"/285 mm · A = 50 in <sup>2</sup> /320 cm <sup>2</sup>		
14.5 to   35 psi/ 1 to   2.5 bar   25 bar   26   35   36   38   54   59   93   104   135   386   915     35   36   38   54   59   93   104   135   386   915	1047		
14.5 to       35 psi/1 to     Actuator     24.6"/625 mm     27.6"/700 mm     755 mm     1070 mm     47.6"/12       2.5 bar     Actuator     ØD = 8.9"/225 mm · A = 25 in²/160 cm²       Weight 3)     Ib     35     36     38     54     59     93     104     135     386     915	475		
1 to 2.5 bar Weight 3)	4/.6"/1210 mm		
2.5 bar Weight 3)         35   36   38   54   59   93   104   135   386   915			
	1047		
kg   16   16.5   17.5   24.5   27   42   47   61   175   415	475		
Height H 24.6"/625 mm 27.6"/700 mm 29.7"/ 42.1"/ 755 mm 1070 mm 47.6"/12	10 mm		
	$\emptyset$ D = 8.9"/225 mm · A = 25 in <sup>2</sup> /160 cm <sup>2</sup>		
Weight 3)	1036		
kg 16   16.5   17.5   24.5   27   42   47   61   170   410			
65 to Height H 24.6"/625 mm 27.6"/700 mm 29.7"/ 755 mm	470		
145 psi/ 4.5 to $QD = 6.7''/170 \text{ mm} \cdot \text{A} = 12 \text{ in}^2/80 \text{ cm}^2$ On request	470		
10 bar Weight 3) lb 35.3 36.3 38.5 54 59.5 92.6 103.6 134.5	470		
weight 7 kg 16 16.5 17.5 24.5 27 42 47 61	470		

Optionally with actuator 100 in²/640 cm²
Optionally with actuator 50 in²/320 cm²
The weight applies to the version with the material specifications A126B. Add +10 % for all other materials.

# Dimensional drawing of Type 42-25 and Type 42-20 balanced by a diaphragm ·

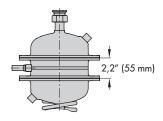
Dimensions and weights (see Table 5)

# H2 H1<sup>11</sup>

Type 2422 Valve balanced by a diaphragm with Type 2425/2420 Actuator (Type 2425 in diagram)

1) Type 42-20 only

### Dimensional drawing of actuator with two diaphragms



Type 42-25 with two diaphragms (special version). Add approx. 2.2"/55 mm to the total height H.

Table 5: Dimensions and weights for Type 42-20 and Type 42-25 · Balanced by a diaphragm

			71	71				
Valve size		NPS	<b>2</b> ½	3	4	6	8	10
vaive size	DN	65	80	100	150	200	250	
Class 125		inch	10.9	11.75	13.9	17.75	21.4	26.5
Length L and 150 Class 300		mm	276	298	352	451	543	673
	Cl 200	inch	11.5	12.5	14.5	18.6	22.4	27.9
	Class 300	mm	292	318	368	473	568	708
Height H2		inch	3	.1	4.6	6.9	10.2	
		mm	9	98	118	175	260	

Туре 42-20 [	Differential Pressure F	Regulator							
Height H1 1)		14"/3	55 mm	14.8"/375 mm					
Actuator		ØD = 11.2"/	$\frac{1}{285}  \text{mm} \cdot \text{A} = 50$	in <sup>2</sup> /320 cm <sup>2</sup>		-			
Weight, appr	ox.	84 lb/38 kg	95 lb/43 kg	113 lb/51 kg					
Туре 42-25 [	Differential Pressure F	Regulator							
0.75 to	Height H	23.2"/3	590 mm	24"/610 mm	33"/840 mm	35.8″/9	910 mm		
<b>3.5 psi/</b> 0.05 to	Actuator		ØD	= 15.4"/390 mm	$A = 100 \text{ in}^2/640$	cm <sup>2</sup>			
0.25 bar	Weight, approx. kg	93 lb/42 kg	104 lb/47 kg	121 lb/55 kg	209 lb/95 kg	551 lb/250 kg	595 lb/270 kg		
<b>1.5 to 8.5 psi/</b> 0.1 to 0.6 bar	Height H	23.2"/	590 mm	24"/610 mm	33"/840 mm	35.8"/910 mm			
	Actuator	$\emptyset$ D = 11.2"/	$285 \text{ mm} \cdot \text{A} = 50$	in <sup>2</sup> /320 cm <sup>2 2)</sup>	ØD = 15.4"/	) in <sup>2</sup> /640 cm <sup>2</sup>			
	Weight, approx. kg	93 lb/42 kg	104 lb/47 kg	121 lb/55 kg	209 lb/95 kg	551 lb/250 kg	595 lb/270 kg		
	Height H	23.2"/	590 mm	24"/610 mm	31.1"/790 mm	33.9"/8	360 mm		
3 to 14.5 psi/ 0.2 to 1 bar	Actuator	$\emptyset$ D = 8.9"/2	$225 \text{ mm} \cdot \text{A} = 25 \text{ i}$	$n^2/160 \text{ cm}^{23}$	ØD = 11.2"/	$\emptyset$ D = 11.2"/285 mm · A = 50 in <sup>2</sup> /320 cm <sup>2</sup>			
	Weight, approx. kg	93 lb/42 kg	104 lb/47 kg	121 lb/55 kg	209 lb/95 kg	551 lb/250 kg	595 lb/270 kg		
	Height H	23.2"/	590 mm	24"/610 mm	31.1"/790 mm	33.9"/860 mm			
<b>7 to 20 psi/</b> 0.5 to 1.5 bar	Actuator	$\emptyset$ D = 8.9"/2	$225 \text{ mm} \cdot \text{A} = 25 \text{ i}$	$n^2/160 \text{ cm}^{23}$	$0.00 \text{ cm}^{2.3}$ $0.00 \text{ D} = 11.2''/285 \text{ mm} \cdot \text{A} = 50 \text{ in}$				
	Weight, approx. kg	93 lb/42 kg	104 lb/47 kg	121 lb/55 kg	209 lb/95 kg	551 lb/250 kg	595 lb/270 kg		
14.5 to	Height H	23.2"/	590 mm	24"/610 mm	31.1"/790 mm	33.9″/8	360 mm		
35 psi/	Actuator		ØD	= 8.9"/225 mm ·	$A = 25 \text{ in}^2/160 \text{ cm}^{23}$				
1 to 2.5 bar	Weight, approx. kg	93 lb/42 kg	104 lb/47 kg	121 lb/55 kg	209 lb/95 kg	551 lb/250 kg	595 lb/270 kg		
	Height H	23.2"/	590 mm	24"/610 mm	31.1"/790 mm	31.1"/790 mm 33.9"/860 mm			
<b>30 to 75 psi/</b> 2 to 5 bar	Actuator			ØD = 225 mm	$A = 160 \text{ cm}^{23}$	· A = 160 cm <sup>2 3)</sup>			
	Weight, approx. kg	93 lb/42 kg	104 lb/47 kg	121 lb/55 kg	209 lb/95 kg	551 lb/250 kg	595 lb/270 kg		

<sup>1)</sup> Type 42-25, all set points

<sup>&</sup>lt;sup>2)</sup> Optionally with actuator 100 in<sup>2</sup>/640 cm<sup>2</sup>

<sup>3)</sup> Optionally with actuator 50 in<sup>2</sup>/320 cm<sup>2</sup>

## Ordering text

Type 42-25 or Type 42-20 Differential Pressure Regulator

NPS/DN ...

Valve balanced by a bellows/diaphragm

Class/PN ...

Body material ...

Set point or set point range ... psi/bar

Accessories ...

Special version