Pressure Regulator 1002 Series

for Water Service

Bronze or Cast-Iron Construction

Stainless Steel Seat

¹/₂" to 2¹/₂" Sizes

1002 pictured

The Trerice Series 1002 Pressure Regulator is a high capacity pressure reducing valve for water service. The 1002 has a broad seat opening and is capable of supplying large volumes at reduced pressures. This regulator is intended for use in a variety of commercial, institutional and industrial applications. It features a bronze or cast-iron body and a stainless steel seat.

For optimal performance, the service conditions (medium, flow, temperature, inlet and outlet pressures) of the application must be considered when selecting a regulator. Please refer to the Valve Selection Section of this catalog. Improper application may cause failure of the valve, resulting in possible personal injury or property damage.

Specifications

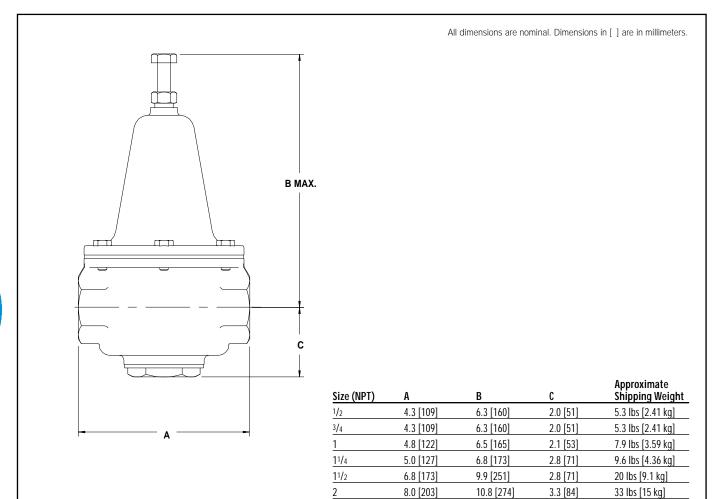| Model	Diaphragm	Maximum Inlet Pressure	Operating Temperature
1002	Nitril	300 psi	Maximum: 160°F (71°C)
Body ¹/₂" to 2": Bronze 2¹/₂": Cast-iron	**Trim** Valve Disc: Nitril Seat: Stainless steel		

How To Order

Sample Order Number: G1012WB

G10	12	W	B
Model	**Connection Size**	**Service**	**Reduced Pressure Range**
G10	**04** ¹/₂ NPT	**W** Water	**A** 10 to 35 psi
	06 ³/₄ NPT		**B** 25 to 75 psi
	08 1 NPT		**C** High Pressure Range
	10 1¹/₄ NPT		*50 to 145 psi (¹/₂, ³/₄, 1 NPT only)*
	12 1¹/₂ NPT		*50 to 120 psi (1¹/₄ NPT only)*
	16 2 NPT		*50 to 95 psi (1¹/₂, 2, 2¹/₂ NPT only)*
	20 2¹/₂ NPT		

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All dimensions are nominal. Dimensions in [ ] are in millimeters.

B MAX.

C

A

Size (NPT)	A	B	C	Approximate Shipping Weight
1/2	4.3 [109]	6.3 [160]	2.0 [51]	5.3 lbs [2.41 kg]
3/4	4.3 [109]	6.3 [160]	2.0 [51]	5.3 lbs [2.41 kg]
1	4.8 [122]	6.5 [165]	2.1 [53]	7.9 lbs [3.59 kg]
1 1/4	5.0 [127]	6.8 [173]	2.8 [71]	9.6 lbs [4.36 kg]
1 1/2	6.8 [173]	9.9 [251]	2.8 [71]	20 lbs [9.1 kg]
2	8.0 [203]	10.8 [274]	3.3 [84]	33 lbs [15 kg]
2 1/2	9.0 [229]	10.8 [274]	3.3 [84]	35 lbs [16 kg]

Valve Capacities

Water in Gallons per Minute (GPM)

Pressure Drop (psig)	Valve Size (NPT)						
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
1	2	3	3	4	5	8	12
2	4	5	5	6	13	20	24
3	5	7	8	10	22	31	39
4	7	9	10	15	30	42	50
5	9	11	13	17	38	50	60
6	10	13	15	20	48	61	70
8	13	18	20	34	65	84	91
10	15	20	25	45	78	100	108
12	18	24	30	57	90	116	122
14	20	28	35	67	102	132	138
16	21	31	39	73	113	142	149
18	22	34	45	81	122	155	163
20	23	37	48	88	132	161	171

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