

Model 5100 Freezeless Control (Dump) Valve

Features

- Compact valve size
- Stainless steel trim
- Threaded process connections
- NACE MR0175 compliance option

Specifications

Process connections

- 1" MNPT x 1/2" FNPT
- 1" MNPT x 1" FNPT
- 2" MNPT x 1" FNPT

Body Style: "Freezeless" angle

Maximum operating pressure
2220 psig at 100 °F (38 °C)

Operating temperature range
-20 ° to 200 ° F (-28.8 ° to 93 °C)

Actuator

- Air supply connection: 1/4" FNPT
- Action: Reverse (fail close)
- Effective area: 35 sq. in.
- Maximum supply pressure
50 psig

Trim characteristic

- Quick opening (on/off)

Port diameter / Flow coefficient (C_v)

- 0.38"/4.8 C_v 0.50"/8.3 C_v

The model 5100 "freezeless" dump valve is perfectly suited for fluid control in oil and gas separators and other process vessels.

The valve body design allows the plug and seat to remain submerged in the process media, thus giving the valve its "freezeless" characteristic.



NOTE: Taylor Valve reserves the right to change product designs and specifications without notice.

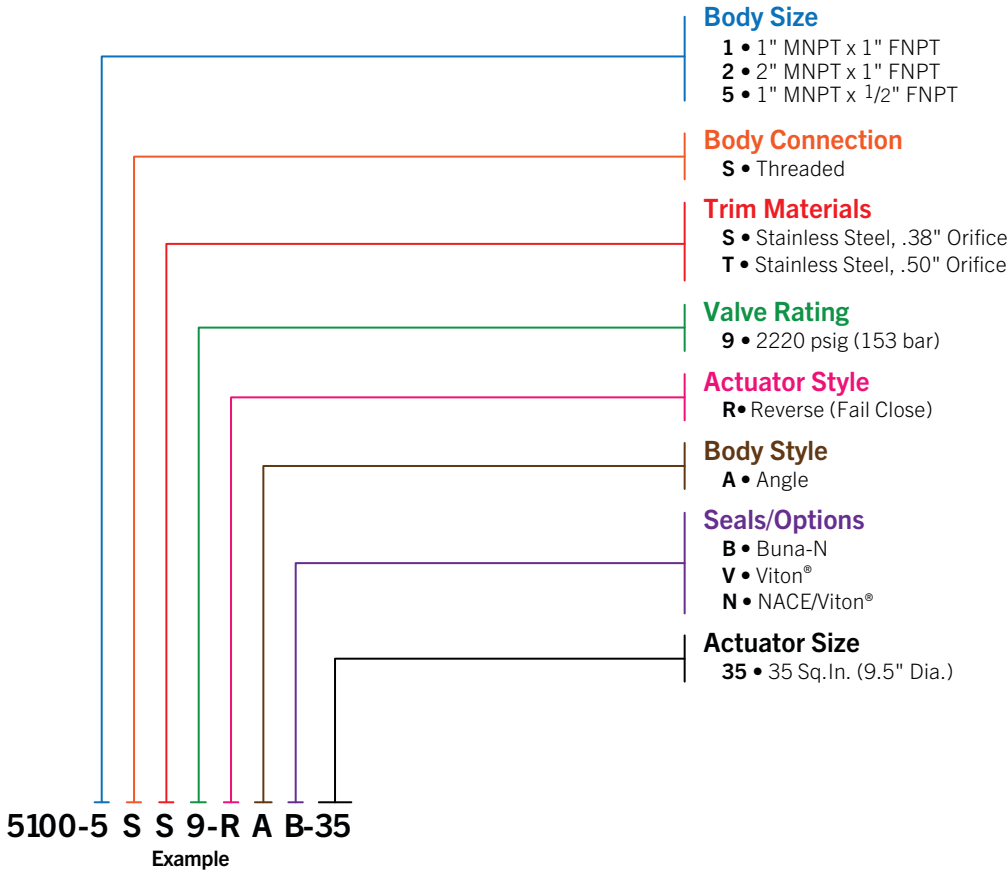
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Part Number Codes



Materials of Construction

Description	Material
Liquid Chamber	Carbon Steel (Std.)
Cover	Carbon Steel
Body	Carbon Steel
Plug	302 Stainless Steel
Seat	304 Stainless Steel
Valve Stem	303 Stainless Steel,
Seals	Buna-N, Viton® (Optional)
Actuator Housing	Steel

Approximate Weight (lbs., kg)

Process Connection	Weight	
	(lbs.)	(kg)
1.00 MNPT x 0.50 FNPT	13.5	6.1
1.00 MNPT x 1.00 FNPT	14.5	6.6
2.00 MNPT x 1.00 FNPT	14.5	6.6

Dimensional Data (in., mm)

Body Size Code	Dimension (in.)			Dimension (mm)		
	A (MNPT)	B (FNPT)	C	A (MNPT)	B (FNPT)	C
1	1.00	1.00	0.75	25.4	25.4	19.1
2	2.00	1.00	0.75	50.8	25.4	19.1
5	1.00	0.50	0.63	25.4	12.7	16.0

