

Sizes: 2", 3" and 4"

Connections: Female NPT, Flanged

Body Type: Globe, Angle

Soft Seat Trim:

Trim Characteristic: Quick Open

Trim Size: Full Port and Reduced Port (1 Size Down)

Trim Type: Balanced Metal Seat Trim:

Trim Characteristic: Modified Percent

Trim Size: 1.00", 1.75" Trim Type: Unbalanced

Pressure Rating:

500 psi - 2" NPT 250 psi - 2" Flanged

250 psi - 3" & 4" Flanged & NPT Temperature Range: -20° F to 400° F Actuator Sizes: #35, #70 (Open Yoke Only)

Input Signal Range: 3-15 or 6-30 psi

Materials:

Body: Ductile Iron

Bonnet and Plug: Nickel Plated Carbon Steel

Bonnet Flange: Carbon Steel Seat: 304 Stainless Steel Stem: 304 Stainless Steel Actuator Housing: Carbon Steel

Bolting: A193 B7



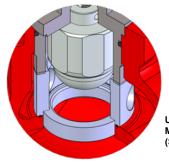
MSCV40 and MSCV41 Control Valve

The MSCV40 is a low pressure, full port, dump valve. It features balanced plug control trim with a quick opening characteristic and an adjustable topworks. The MSCV40's full port allows for high flow rates, and its standard soft seat design gives a consistent leak free shut off when the valve closes. The MSCV41 offers the same great features, but with an open yoke design.

Both the MSCV40 and MSCV41 can be ordered with a metal to metal seat. The metal seat version comprises an unbalanced hex shaped plug to avoid sand build up between the plug and cage.

The MSCV40 and MSCV41 can be used for discharging liquid or gas from separators, treaters, knockouts or other vessels. It can also be used for back pressure regulation when paired with a MSPC48 pressure controller making it a great economical choice for a variety of low pressure applications.



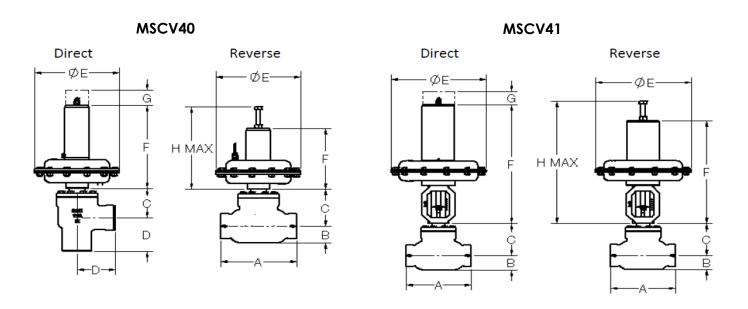


UNBALANCED METAL SEAT TRIM (SEVERE SERVICE) **Dimensions & Weight**

End Connection		Body Dimension													
	2"					3"					4"				
	Globe			An	Angle		Globe	obe		Angle		Globe		Angle	
	Α	В	C	C	D	Α	В	С	С	D	Α	В	С	Α	В
NPT	8.50	2.13	4.72	3.77	4.38	12.00	3.00	6.51	3.88	5.50	15.00	3.75	7.16	4.96	6.50
150 RFF	9.00	2.13	4.72	3.77	4.25	12.19	3.00	6.50	3.88	5.50	15.13	3.75	7.16	4.96	6.50

	Actuator Dimensions (in)											
Actuator		Dire	ect		Reverse							
Size	Е	F (CV40)	F (CV41)	G	Е	F (CV40)	F (CV41)	H (CV40)	H (CV41)			
No. 35, 3-15	9.50	10.50	16.04	5.50	9.50	7.75	13.38	9.70	15.33			
No. 35, 6-30	9.50	12.12	17.66	7.00	9.50	9.62	15.25	10.70	16.33			
No. 70, 3-15	12.00	12.09	15.00	7.00	12.50	9.62	15.25	12.57	18.20			
No. 70, 6-30	12.00	15.41	20.95	10.00	12.50	11.37	17.00	14.33	19.96			

G= Clearance needed for spring cover removal.

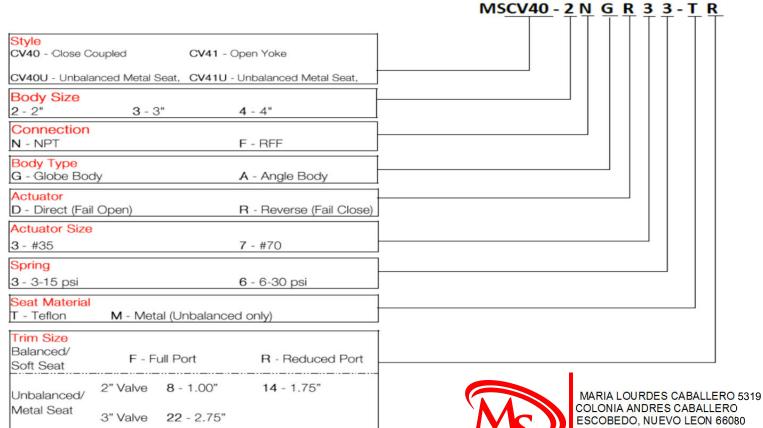


	Valve Weights with No. 35 Actuator												
End		2)" -		3"			4"					
Connection	Globe		An	gle	Globe		Angle		Globe		Angle		
	Lbs	kg	Lbs	kg	Lbs	kg	Lbs	kg	Lbs	kg	Lbs	kg	
CV40 NPT	48	22	51	23	69	31	56	25	111	50	85	39	
CV40 ANSI 150	58	26	54	24	85	39	74	34	113	51	103	47	
CV41 NPT	55.5	29.5	58.5	30.5	76.5	38.5	63.5	32.5	118.5	57.5	92.5	46.5	
CV41 ANSI 150	65.5	33.5	61.5	31.5	92.5	46.5	81.5	41.5	120.5	58.5	110.5	54.5	

	Valve Weights with No. 70 Actuator												
End		2	2"		3"			4"					
Connection	Globe		An	gle	Globe		Angle		Globe		Angle		
	Lbs	kg	Lbs	kg	Lbs	kg	Lbs	Kg	Lbs	kg	Lbs	kg	
CV40 NPT	63	28.8	66	29.8	84	37.8	71	31.8	126	56.8	100	45.8	
CV40 ANSI 150	73	32.8	69	30.8	100	45.8	89	40.8	128	57.8	118	53.8	
CV41 NPT	70.5	36.3	73.50	37.3	91.5	45.3	78.5	39.3	133.5	64.3	107.5	53.3	
CV41 ANSI 150	80.5	40.3	76.5	38.3	107.5	53.3	96.5	48.3	135.5	65.3	125.5	61.3	

How to Order

Example Model No. MSCV40-2NGR33-TR MSCV40 Series Dump Valve, 2" Globe Body, Threaded Ends, No.35 Reverse Act, 3-15 Spring, Viton Seat, Reduced Port



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