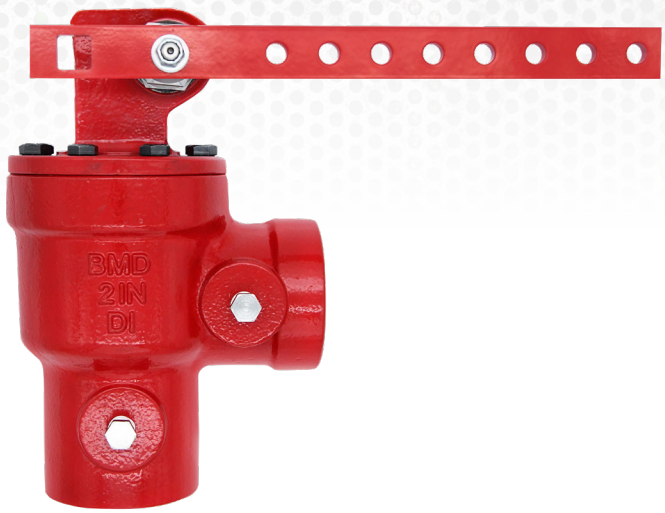
CV45
CONTROL VALVE

Beaumont Manufacturing bmd and Distribution Company

The CV45 is a low pressure, mechanical dump valve available with full port and reduced port sizes. It features balanced plug control trim with a quick opening characteristic. The CV45's full port allows for high flow rates, and its soft seat design gives a consistent leak free shut off.

The CV45 can be used for discharging liquid or gas from separators, treaters, knockouts or other vessels making it a great economical choice for a variety of low-pressure applications.

When paired with an LC70 level control the CV45 can provide a completely emission free level control/dump system.



SPECIFICATIONS

Sizes:
- 2"
- 3"
- 4"

Connections:
- Female NPT
- Flanged

Body Type:
- Globe
- Angle

Trim Characteristic:
- Quick Open

Trim Size:
- 2" Body Size: 2", 1 1/2", 1"
- 3" Body Size: 3", 2", 1"
- 4" Body Size: 4", 3", 2", 1"

Trim Type:
- Balanced

Pressure Rating:
- 500 psi - 2", 3", 4" NPT
- 250 psi - 2", 3", 4" Flanged

Temperature Range:
- -20° F to 400° F

MATERIALS

Body and Bonnet
- Ductile Iron

Internals:
- 304 Stainless Steel

VALVE WEIGHTS

END CONNECTION	BODY SIZE											
	2"				3"				4"			
	GLOBE		ANGLE		GLOBE		ANGLE		GLOBE		ANGLE	
	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
NPT	28	13	22	10	60	27	46	21	100	45	77	35
150 RFF	36	16	31	14	75	34	60	27	114	52	90	41

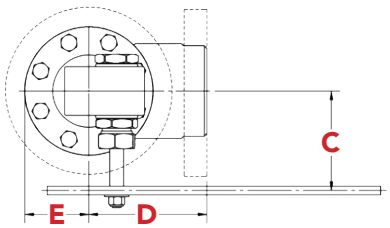
CV VALUES

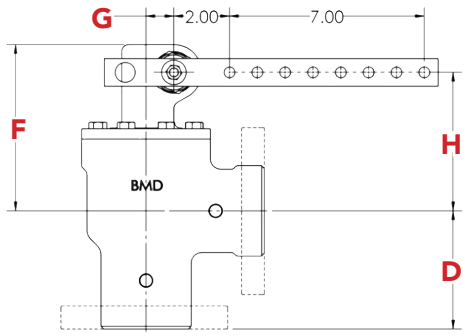
TRIM SIZE	BODY SIZE		
	2" (.623 LIFT)	3" (.664 LIFT)	4" (.78 LIFT)
1"	19.8	19.6	20.1
1 1/2"	33.2	--	--
2"	54.8	56.8	49.9
3"	--	110.8	122.7
4"	--	--	179.4

VALVE DIMENSIONS

Dimensions in inches

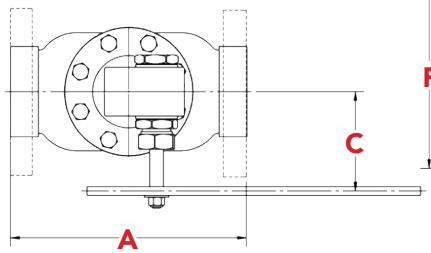
ANGLE BODY

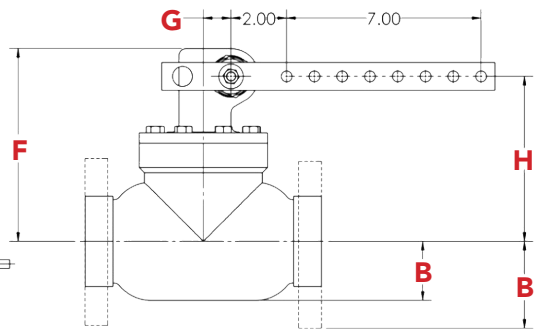




BODY SIZE	END CONNECTION	ANGLE					
		C	D	E	F	G	H
2"	NPT	3.57	4.25	2.31	6.00	1.00	5.00
	150 RFF	3.57	4.25	3.06	6.00	1.00	5.00
3"	NPT	3.60	5.50	3.00	7.29	1.39	5.79
	150 RFF	3.60	5.50	3.88	7.29	1.39	5.79
4"	NPT	3.78	6.50	3.56	10.26	1.39	8.77
	150 RFF	3.78	6.50	4.50	10.26	1.39	8.77

GLOBE BODY





BODY SIZE	END CONNECTION	GLOBE					
		A	B	C	F	G	H
2"	NPT	8.50	2.13	3.57	6.00	1.00	5.00
	150 RFF	9.00	3.06	3.57	6.00	1.00	5.00
3"	NPT	12.00	3.00	3.60	7.29	1.39	5.79
	150 RFF	12.19	3.88	3.60	7.29	1.39	5.79
4"	NPT	15.00	3.75	3.78	10.26	1.39	8.77
	150 RFF	15.13	4.50	3.76	10.26	1.39	8.77

HOW TO ORDER

EXAMPLE MODEL NO. ***CV45-2NGTF-12***

CV45 Series Mechanical Control Valve, 2" Globe Body, Threaded Ends, Teflon Seat, Full Port, 12" Lever.

CV45 - 2 N G T F - 12

CV45 SERIES

BODY
2 - 2" **3** - 3" **4** - 4"

CONNECTION
N - NPT **F** - RFF

BODY TYPE
G - Globe Body **A** - Angle Body

SEAT MATERIAL
T - Teflon

TRIM SIZE
FULL PORT
F - Full Port

REDUCED PORT (SPECIFY SIZE)
A - 1" **C** - 2"
B - 1½" **D** - 3"

LEVER LENGTH
12 - 12" (Standard) **18** - 18" **24** - 24" **36** - 36"

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09/2026

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