

Features

- Compact design.
- In-line mounted.
- Quiet operation.
- Instantaneous shutoff against reverse flow, low forward pressure opening.
- Disc seats before reverse flow to avoid fluid shock on reverse pressure differential.



Construction

Valve Parts in Contact with Fluids		
Body	Brass	300 Stainless Steel
Valve Seat	NBR and EPDM seat at zero pressure in spring-loaded valves.	
	Metal seated - leakage on air up to 65 SCFh.	

Nominal Ambient Temperature Ranges:

32°F to 125°F (0°C to 52°C)

Refer to Engineering Section for details.

Specifications (English units)

Pipe Size (ins.)	Orifice Size (ins.)	Cv Flow Factor	Opening Pressure (psi)	Maximum Operating Pressure Differential (psi) Air-Inert Gas, Water, and Light Oil	Maximum Fluid Temp. °F	Catalog Number	Constr. Ref. No.
FORGED BRASS BODY with NBR Disc							
1/4	9/32	.70	1	150	200	V0121	1
3/8	3/8	1.2	1	150	200	V0122	2B
1/2	7/16	2.5	1	150	200	V0123	2C
3/4	1/2	3.6	1	150	200	V0124	2D
STAINLESS STEEL BODY with NBR Disc							
1/4	9/32	.70	1	150	200	V0125	3
3/8	3/8	1.2	1	150	200	V0126	2B
1/2	7/16	2.5	1	150	200	V0127	2C
FORGED BRASS BODY with EPDM Disc for Low-Pressure Steam							
1/4	3/8	1.2	1	50	300	V01210	2A
3/8	3/8	1.2	1	50	300	V01211	2B
1/2	7/16	2.5	1	50	300	V01212	2C
3/4	1/2	3.6	1	50	300	V01213	2D
FORGED BRASS BODY with Metal Seating for High-Pressure Steam							
1/4	3/8	.70	8	200	388	V01214	2E
3/8	3/8	.70	8	200	388	V01215	2E
1/2	1/2	3.4	4	200	388	V01216	2F
3/4	1/2	5.1	4	200	388	V01217	2F

Specifications (Metric units)

Pipe Size (ins.)	Orifice Size (mm)	Kv Flow Factor (m3/h)	Opening Pressure (bar)	Maximum Operating Pressure Differential (bar) Air-Inert Gas, Water, and Light Oil	Maximum Fluid Temp. °C	Catalog Number	Constr. Ref. No.
FORGED BRASS BODY with NBR Disc							
1/4	7	.60	0.07	10	92	V0121	1
3/8	10	1.03	0.07	10	92	V0122	2B
1/2	11	2.14	0.07	10	92	V0123	2C
3/4	13	3.09	0.07	10	92	V0124	2D
STAINLESS STEEL BODY with NBR Disc							
1/4	7	.60	0.07	10	92	V0125	3
3/8	10	1.03	0.07	10	92	V0126	2B
1/2	11	2.14	0.07	10	92	V0127	2C
FORGED BRASS BODY with EPDM Disc for Low-Pressure Steam							
1/4	10	1.03	0.07	3	147	V01210	2A
3/8	10	1.03	0.07	3	147	V01211	2B
1/2	11	2.14	0.07	3	147	V01212	2C
3/4	13	3.09	0.07	3	147	V01213	2D
FORGED BRASS BODY with Metal Seating for High-Pressure Steam							
1/4	10	.60	0.55	14	196	V01214	2E
3/8	10	.60	0.55	14	196	V01215	2E
1/2	13	2.91	0.28	14	196	V01216	2F
3/4	13	4.37	0.28	14	196	V01217	2F

Dimensions inches (mm)

Constr. Ref. No.		E	H	L	P	W
2A	ins.	1.16	2.03	1.91	1.56	.88
	mm	30	52	49	40	22
2B	ins.	1.16	2.09	1.91	1.66	.88
	mm	30	53	49	42	22
2C	ins.	1.16	2.38	2.28	1.84	1.09
	mm	30	61	58	47	28
2D	ins.	1.31	2.62	2.75	1.84	1.31
	mm	33	67	70	47	33
2E	ins.	1.16	2.38	2.28	1.84	1.09
	mm	30	61	58	47	28
2F	ins.	1.38	2.94	2.75	2.16	1.31
	mm	35	75	70	55	33

Constr. Ref. 1

Constr. Ref. 2

Constr. Ref. 3

FLOW DIAGRAMS