

Liquid Relief Valves

SIZES FROM ½" TO 3"
PRESSURES TO 600 PSI
TEMPERATURES TO 450°F

Series 69 is an industry standard relief valve used for liquid relief and by-pass. Engineered and designed for heavy duty, industrial and commercial usages. A single piece bonnet to eliminate leakage while allowing for simple cleaning. Easy removable sealed hex-cap to adjust pressure.

Series 69

Series 69 relief valves are calibrated (set to pressure) based on a range of flow-rates (GPM) versus seat size and set pressure. Standard valve is set to pressure to achieve flow rate maximum and minimums within each set pressure range. See capacity chart for details.

New (WR) wide range adjustable and available in 150 PSI increments.

Usages: Include liquid by-pass, regulation, continuous relief and overprotection. Used on pumping stations, tanks, hydraulics, fluid / piping lines, oil fields, gas lines and more.

Features:

- Field adjustable by simple removal of the hex-cap
- Metal to metal precision lapped seating
- Back pressure tested at factory
- Ease of cleaning and maintenance with simple bonnet removal.
- Stainless steel springs
- Single piece leak free bonnet

Options:

- BSPT connections
- Female inlet
- Viton embedded o-ring at hex cap
- Packed lift lever
- Stainless seating (disc and seat area)
- NEW – Wide range WR adjustable (150 PSI increments)
- Stainless steel body and disk**
- Adjustable wheel handle
- Tamper proof wire seal

Model Choices:

69A – Brass/bronze valve with stainless steel springs

69B – Brass/bronze valve with stainless steel seating inserts, disk and springs

69C – Stainless steel body / disk with bronze bonnet, stainless steel springs

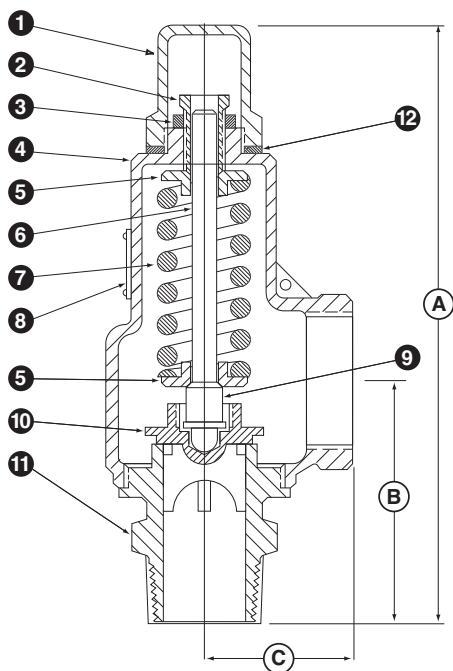
Wide Range:

Series 69 is now available with a wider adjustable range (as an option). Valves are set to the mid-level pressure (or as specified). Typical wide-range is 150 PSI increments. Note: Flow rates are not showing on flow charts and vary by set pressure points.

Ordering Information: **EXAMPLE: 69A1-AH-250**

Series	Sizes	Metals	Cap Options	Valve Options	Set Pressure
69	A1, A2 Thru H1	A – Brass/Bronze	H – Std Hex Cap	B – BSPT	250 PSI
		B – Bronze with SST seat and disk	P – Packed lever	F – Female inlet	
		C – SST body and disk	W – Wheel handle	V- Viton sealed cap	

****69C AVAILABLE IN ½" ¾" AND 1" ONLY. SEE CHARTS FOR ORDERING INFORMATION ON SERIES 51 & 55.**



PARTS IDENTIFICATION & MATERIALS				
ITEM	DESCRIPTION	69A	69B	69C
1	HEX CAP	BRASS	BRASS	BRASS
2	PRESSURE SCREW	BRASS	BRASS	BRASS
3	LOCK NUT	BRASS	BRASS	BRASS
4	BONNET	BRONZE	BRONZE	BRONZE
5	SPRING PLATE	BRASS/SS	BRASS/SS	BRASS/SS
6	SPRING POST	BRASS	BRASS	BRASS
7	SPRING	STAINLESS	STAINLESS	STAINLESS
8	NAME PLATE	ALUMINUM	ALUMINUM	ALUMINUM
9	SPRING PLATE SUPPORT	BRASS/STEEL	BRASS/STEEL	BRASS/STEEL
10	DISK	BRONZE	STAINLESS	STAINLESS
11	BODY	BRS/BRNZE	BRS/SS	STAINLESS
12	HEX CAP SEAL/DISK	PTFE	PTFE	PTFE
13	SEATING INSERT		STAINLESS	
14	OPTIONAL SEAL WIRE	NOT SHOWING		

SERIES 69, 51 & 55 - Dimensions / Liquid

SERIES	SIZE ID	INLET SIZE	OUTLET SIZE	-----DIMENSIONS-----			MAX. SET PRESSURE LIQUID	WEIGHT LB
				A	B	C		
69	A1	1/2"	1/2"	6"	2 1/2"	1 3/8"	600	1.7
69	A2	1/2"	3/4"	6"	2 1/2"	1 3/8"	600	1.7
69	B1	3/4"	3/4"	6 1/4"	2 5/8"	1 1/2"	600	2.2
69	B2	3/4"	1"	6 1/4"	2 5/8"	1 1/2"	600	2.2
69	C1	1"	1"	7 3/8"	2 7/8"	1 3/4"	600	3
69	C2	1"	1 1/4"	7 3/8"	2 7/8"	1 3/4"	600	3
69	D1	1 1/4"	1 1/4"	8 1/4"	3 3/8"	2"	500	4
69	D2	1 1/4"	1 1/2"	8 1/4"	3 3/8"	2"	500	4
69	E1	1 1/2"	1 1/2"	9 1/2"	3 1/2"	2 1/8"	500	5.8
69	E2	1 1/2"	2"	9 1/2"	3 1/2"	2 1/8"	500	5.8
69	F1	2"	2"	11"	3 7/8"	2 5/8"	400	9.7
69	F2	2"	2 1/2"	11"	3 7/8"	2 5/8"	400	9.7
69	G1	2 1/2"	2 1/2"	13"	5 1/4"	3 5/8"	300	19
69	G2	2 1/2"	3"	13"	5 1/4"	3 5/8"	300	19
69	H1	3"	3"	13 3/16"	5 5/8"	3 5/8"	300	19
51	A=1/4 B=3/8 C=1/2	1/4"-3/8"-1/2"	1/2"	5 1/4"	1 3/8"	1 1/8"	750	0.875
55	A=1/4 B=3/8 C=1/2	1/4"-3/8"-1/2"	1/2"	3"	1 3/4"	1 1/8"	200	0.875

STANDARD VALVE FOR LIQUID RELIEF IS "SAME SIZED OUTLET" (UNLESS OTHERWISE SPECIFIED)

STAINLESS STEEL TRIMMING RECOMMENDED FOR PRESSURE SETTINGS OVER 300 PSI (OR FOR CHEMICAL REACTIVE PURPOSES)

2-1/2 & 3" MAX SET PRESSURE 300 PSI

WHEN ORDERING, PLEASE SPECIFY SERIES, SIZE ID, & SET PRESSURE

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