

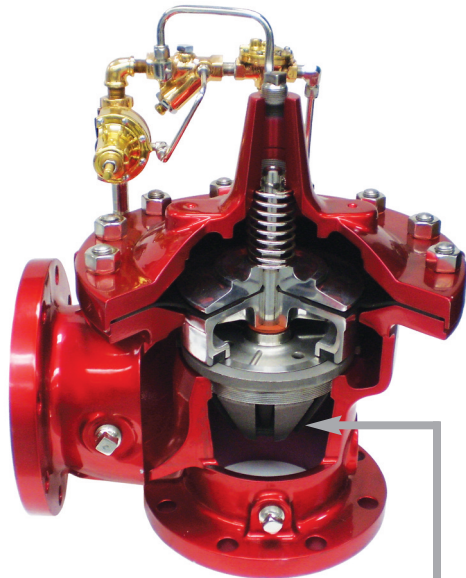


MODEL 50B-4KG1KOL Globe 2050B-4KG1KOL Angle

Pressure Relief Valve with Anti-Cavitation Trim



Type Approved



2050B-4KG1KOL (Angle)

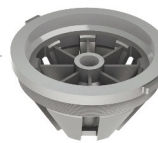
UL/ULC Listed Sizes 3" thru 8"
FM Approved Sizes 3" thru 8"

- For Onshore and Offshore Applications
- KOL Anti-Cavitation Trim Seat:
 - Protects Against Cavitation
 - Reduces Noise and Vibration
 - Extends Valve Life
- Compliant with NFPA 20 Standards
- Now available in grooved ends sizes 3"-6"

The Cla-Val Globe Pattern Model 50B-4KG1KOL and Angle Pattern Model 2050B-4KG1KOL relief valve is designed to relieve excess pressure in a fire protection system, while eliminating the damaging effects of cavitation.

The valve features an adjustable pressure setting, fast opening to maintain steady line pressure, and gradual closing for surge free operation.

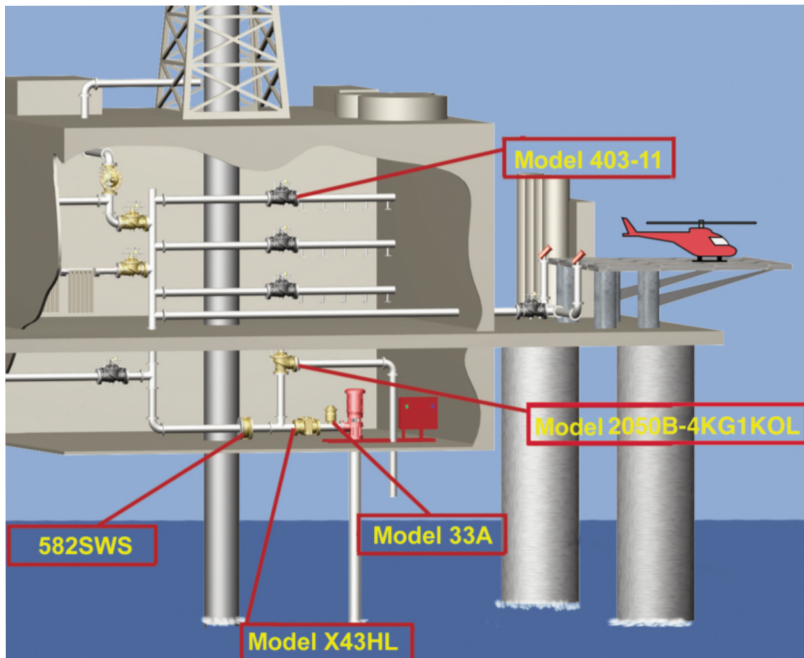
KOL Anti-Cavitation Seat Features & Benefits



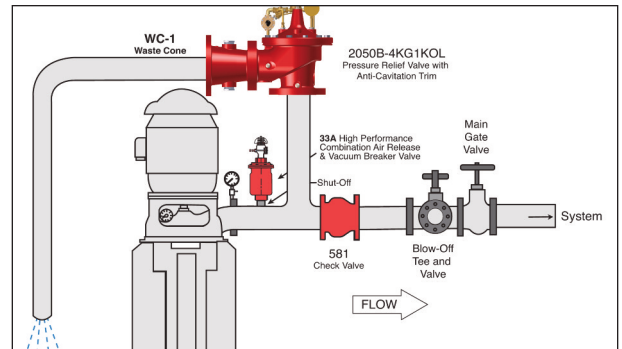
- Ideal for applications with high pressure differentials
- Meets flow requirements set forth by applicable approval agencies
- Provides a safer work environment by preventing valve damage
- Teflon-Coated Seat available in 316 Stainless Steel, Monel and Super Duplex Stainless Steel

Typical Applications

Offshore Platform Pump Relief



Onshore Fire Pump Relief



Optional UL Listed Materials for Seawater and Severe Service Applications:

- Nickel Aluminum Bronze (NAB) - ASTM B148 Alloy C95800
- Monel - QQ-N-288 Comp B - ASTM A494 Grade M30H
- Cast Steel - ASTM A216 Grade WCB
- 316 Stainless Steel - ASTM A743 Grades CF3M and CFM8
- Super Austenitic Stainless Steel - ASTM A351 Grade CK3MCuN (SMO 254)
- Super Duplex Stainless Steel - ASTM A890 Grade 5A (CE3MN)

Dimensions

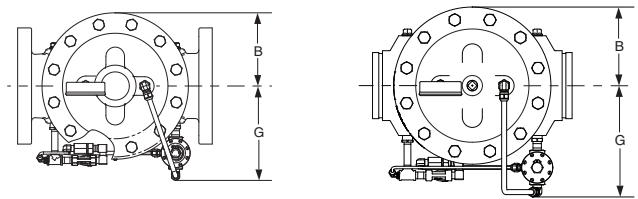
Valve Size (inches)	3"	4"	6"	8"
A Threaded Ends	12.50	---	---	---
A 150 Flanged	12.00	15.00	20.00	25.38
A 300 Flanged	13.25	15.62	21.00	26.38
A 300 X 150	12.88	15.31	20.56	25.88
A Grooved End	12.50	15.00	20.00	25.38
B	4.56	5.75	7.88	10.00
C	13.38	14.84	16.41	18.25
D	2.56	3.19	4.31	5.16
D Grooved End	3.62	4.50	6.31	7.81
E Threaded Ends	6.25	---	---	---
E 150 Flanged	6.00	7.50	10.00	12.69
E 300 Flanged	6.38	7.81	10.50	13.19
E Grooved End	---	7.50	10.00	---
F Threaded Ends	4.50	---	---	---
F 150 Flanged	4.00	4.97	6.00	8.00
F 300 Flanged	4.38	5.28	6.50	8.50
F Grooved End	---	5.00	6.00	---
G Flanged	7.91	10.00	10.65	11.41
G Grooved End	9.28	10.00	11.66	13.10
H Flanged	9.66	10.50	11.16	16.66
H Grooved End	---	10.41	11.16	---

Valve Size (mm)	80	100	150	200
A Threaded Ends	318	---	---	---
A 150 Flanged	305	381	508	645
A 300 Flanged	337	397	533	670
A 300 X 150	327	389	522	657
A Grooved End	318	381	508	645
B	116	146	200	254
C	340	377	417	464
D	65	81	109	131
D Grooved End	92	114	160	198
E Threaded Ends	159	---	---	---
E 150 Flanged	152	191	254	322
E 300 Flanged	162	198	267	335
E Grooved End	---	191	254	---
F Threaded Ends	114	---	---	---
F 150 Flanged	102	126	152	203
F 300 Flanged	111	134	165	216
F Grooved End	---	127	152	---
G Flanged	201	254	271	290
G Grooved End	236	254	296	333
H Flanged	245	267	283	423
H Grooved End	---	264	283	---

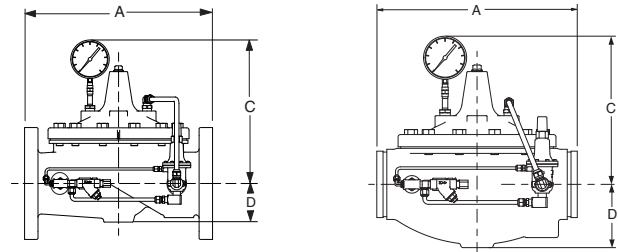
Valve Capacity

Valve Sizes in Inches:	3"	4"	6"	8"
NFPA 20 Maximum	500	1000	2500	5000

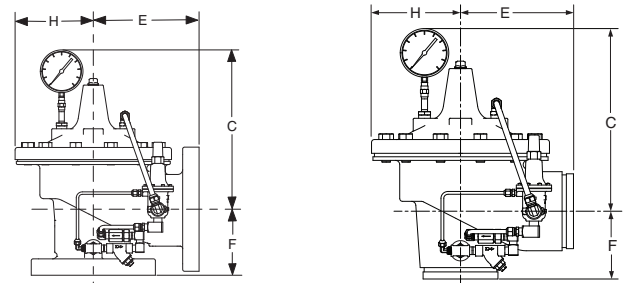
All Sizes UL, FM and ULC



Model 50B-4KG1 Globe



Model 2050B-4KG1 Angle



We recommend providing adequate space around valve for maintenance work.

Specifications

Sizes *Globe:* 3" - 8" flanged or grooved
Angle: 3" - 8" flanged
Angle: 3" - 6" grooved

End Details 150, 300 ANSI B16.42 and Grooved Ends

Pressure Ratings Class 150 (250 psi Max)
Class 300 (300 psi Max)

Water, to 180°F Max.

Standard Materials *Main Valve Body & Cover*
Ductile Iron ASTM A536 Grade 65-45-12

Standard Main Valve Trim:

Stainless Steel Seat
Stainless Steel Dura-Kleen Stem

Standard Pilot Control System:

Cast Bronze with
Stainless Steel Trim

Adjustment Range Available in the Following Relief

Pressure Ranges:
20-200 psi (150 Class)
100-300 psi (300 Class)

Specifications: Seawater Service Option

Sizes *Globe:* 3" - 8" flanged or grooved
Angle: 3" - 8" flanged
Angle: 3" - 6" grooved

Consult factory for flange ratings.

See page 1 for seawater service materials options.