



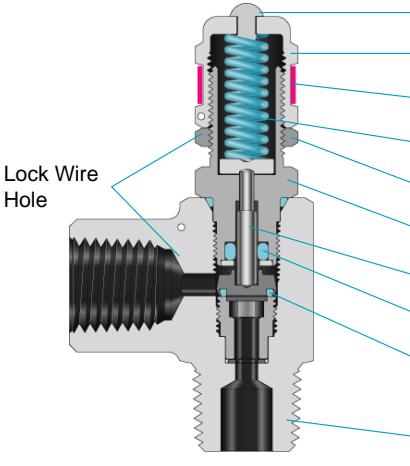
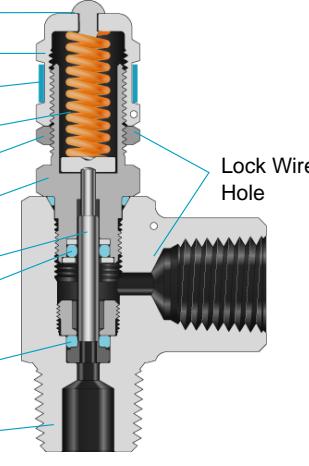
www.hy-lok.com

Catalog No. H-RV100
Feb. 2023



Relief Valves

RV Series

RV1 Series	Low Pressure Relief Valve	High Pressure Relief Valve	RV2 Series
			

Technical Data

<ul style="list-style-type: none">• Cracking Pressure Range : 10~255psig to atmosphere• Max.Working Pressure : 300psig• Operating Temperature Range : -10°F~400°F(-23°C~204°C)• Orifice Size : 4.8mm (0.19in)• One Spring adjustable over entire cracking pressure range, blue - color spring standard• Cracking Pressure is affected by the outlet pressure	<ul style="list-style-type: none">• Cracking Pressure Range : 50~6000psig to atmosphere• Max.Working Pressure : 6000psig• Operating Temperature Range : -10°F~400°F(-23°C~204°C)• Orifice Size : 4.8mm (0.19in)• Various Springs are available as below mentioned.• Cracking Pressure is not affected by the outlet pressure.
---	--

Feature

- Compact body for installation in small space
- Cracking pressure adjustable externally
- Lock wire capability to maintain pressure relief setting
- 100% factory tested crack and reseal performance

Materials of Construction

- Body Material : Stainless Steel 316 (standard)
- Seal : FKM (standard)
- Spring : SS631 (standard)
- Cap : Polypropylene (standard)

Valve Operation and Adjusting Cracking pressure

To increase the cracking pressure, turn the cracking pressure adjusting nut clockwise making the spring more compressed

RV2 Series Spring and Cracking Pressure

Spring Designator	Cracking Pressure			
	psig	bar	kPa	Color
S	50 - 350	3.4 - 24.1	340 - 2410	Blue
A	225 - 750	15.5 - 51.5	1550 - 5150	Yellow
B	750 - 1500	51.5 - 103	5150 - 10300	Purple
C	1500 - 2250	103 - 155	10300 - 15500	Orange
D	2250 - 3000	155 - 206	15500 - 20600	Brown
E	3000 - 4000	206 - 275	20600 - 27500	White
F	4000 - 5000	275 - 344	27500 - 34400	Red
G	5000 - 6000	344 - 414	34400 - 41400	Green

HY-LOK CORPORATION

©1998-2023 HY-LOK CORPORATION all rights reserved



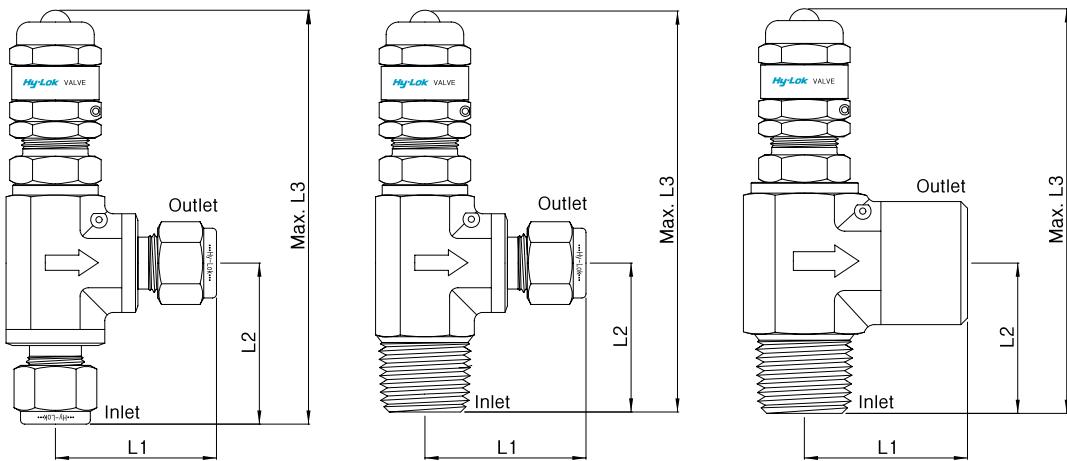


Table of Dimensions

Basic Part No.	Orifice	End Connections		Dimensions		
		Inlet	Outlet	L1	L2	L3
RV1 or RV2	4.8	1/4" Hy-Lok	1/4" Hy-Lok	38.7	37.3	104.6
		6mm Hy-Lok	6mm Hy-Lok			
		8mm Hy-Lok	8mm Hy-Lok			
		1/2" Hy-Lok	1/2" Hy-Lok			
		12mm Hy-Lok	12mm Hy-Lok	46.7	46.7	114.0
		1/2" Male NPT	1/2" Hy-Lok		35.7	103.0
		1/2" Male NPT	12mm Hy-Lok			
		1/4" Male NPT	1/4" Female NPT	30.0	32.2	99.5
		3/8" Male NPT	3/8" Female NPT	34.5		
		1/2" Male NPT	1/2" Female NPT	38.0	35.7	103.0

All dimensions are in millimeters.

Ordering Information

VRV2	MH	8N	8T	B	S316
Series Designator				Spring / Cracking Pressure Designator*	Body Material Designator
• RV1 : Low Pressure				• S : 50-350 psig	• S316 : 316 Stainless Steel
• RV2 : High Pressure				• A : 225-750 psig	
End Connection Designator				• B : 750-1500 psig	
• H : Both End Hy-Lok Tube Fitting				• C : 1500-2250 psig	
• MH: Male Pipe Thread & Hy-Lok Tube Fitting				• D : 2250-3000 psig	
• MF : Male Pipe Thread & Female Pipe Thread				• E : 3000-4000 psig	
• NPT (ISO/BSP)				• F : 4000-5000 psig	
Thread(In.)	1/4	3/8	1/2	• G : 5000-6000 psig	
Designator	4N(R)	6N(R)	8N(R)	Fractional Tube	O.D.(In.)
				Designator	1/4
					6T
					8T
Metric Tube	O.D.(mm)	6	8		12
	Designator	6M	8M		12M

Note * : No spring / cracking pressure designator is required for RV1 low pressure series valves.

SAFETY in VALVE SELECTION

Proper installation, materials compatibility, operation and maintenance of these valves are the responsibility of the user. The total system design must be taken into consideration to ensure optimal performance and safety.