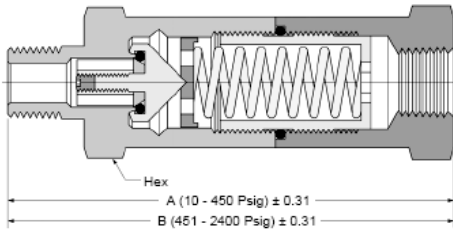
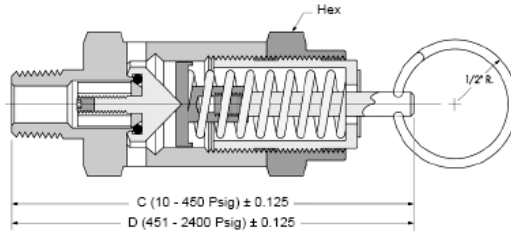




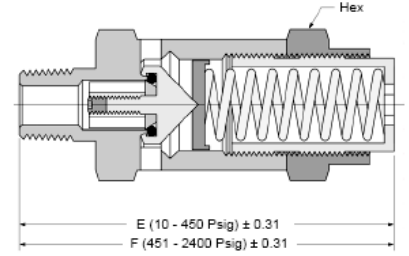
# HIGH PRESSURE RELIEF VALVE



**HPRV**  
Inline



**HPRVM**  
Discharge to Atmosphere  
(Manual Override)



**HPRVA**  
Discharge to Atmosphere

## Dimensional Data

Inlet (NPT)	HPRV		HPRM		HPRVA		Hex
	A	B	C	D	E	F	
1/8"	3.34	4.24	3.30	4.20	2.87	3.77	1"
1/4"							
3/8"							
1/2"	4.16	5.06	4.27	5.18	3.56	4.46	1-1/4"
3/4"	5.60	7.09	5.55	7.00	4.93	6.43	1-1/2"

Dimensional data is stated in inches.

## Flow Data

Set Pressure Range	HPRV				HPRVA and HPRVM			
	10-1250		1251-2400		10-1250		1251-2400	
Inlet (NPT)	Orifice	Kd	Orifice	Kd	Orifice	Kd	Orifice	Kd
1/8"	.215	0.14	.215	0.16	.215	0.57	.215	0.65
1/4"	.275	0.27			.275	0.65		
3/8"			.515	0.20	.275	0.27		
1/2"	.735	0.45	.515	0.20	.735	0.42	.515	0.70

Kd is stated at 110% of Nominal Set Pressure.

Orifice sizes are stated in inches.

Consult factory for proper sizing or flow requirements, flow curves available on request.

## Ordering Information

### HPRV - 250 SS - V - 450

#### SERIES

- HPRV - Male x Female, Inline
- HPRVA - Male Inlet, Discharge to Atmosphere
- HPRVM - Male Inlet, Vent to Atmosphere with Manual Override

#### STANDARD PORTING CONNECTION

125 - 1/8" NPT	ANSI/ASME B1.20.1 (Inlet & Outlet)
250 - 1/4" NPT	
375 - 3/8" NPT	
500 - 1/2" NPT	
750 - 3/4" NPT	

#### OPTIONAL PORTING CONNECTION

Consult factory

-6SAE	Inlet - MS33656 with Cone Point Removed (adapts to SAE J1926)
-8SAE	
-10SAE	
-12SAE	Outlet - SAE J1926
-16SAE	
-6JIC	Inlet - SAE J514, 37 Degree Flare
-8JIC	
-10JIC	
-12JIC	Outlet - Corresponding SAE J1926 Size Female
-16JIC	

NOMINAL SET PRESSURE  
Specify 10 - 2400 Psig

#### SEAL MATERIAL

- V - Viton™, -20°F to 400°F (-29°C to 204°C)
- B - Buna-N, -40°F to 250°F (-40°C to 121°C)
- N - Neoprene, -40°F to 300°F (-40°C to 148°C)
- EP - Ethylene Propylene, -65°F to 300°F (-54°C to 148°C)
- S - Silicone, -70°F to 450°F (-56°C to 232°C)
- T - Teflon™, -320°F to 400°F (-220°C to 204°C)

#### MATERIAL CODE

- B - Brass
- S - 303 Stainless Steel
- SS - 316 Stainless Steel

#### OPTIONS

- Oxygen cleaning, tamper proof lock wire, alternative seals and Other thread configurations, consult factory
- Viton, Krytox, and Teflon are trademarks of DuPont.

PROPER COMPONENT SELECTION - When specifying a component, the total system design must be considered to ensure safe and trouble-free performance. Intended component function, materials compatibility, pressure ratings, installation, environment and maintenance are the responsibility of the system designer.



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