

VENT RELIEF VALVE

NVR SERIES

Features

- Cracking pressure and flow with highly accuracy
- Internal adjustment
- Tamper safety proof
- Reliable and narrow reseal band

Technical Data

Connection Size:

Type 1 & 2: Male Thread: 1/4", 3/8", 1/2", 3/4" and 1" NPT or PF available

Type 3: Male x Female Thread: 1/4" x 1/2", 3/8" x 3/4", 1/2" x 3/4", 3/4" x 1", 1" x 1 1/4"
NPT or PF available

Material: Body- SS316; Stem- SS316; Spring- SS316; Gasket- Viton or PTFE*

*Max. seat leakage for PTFE gasket is 0.01% of rated valve capacity based on Class IV, type A.

Orifice Size: 1/4" (7.0mm), 3/8" (8.9 mm), 1/2" (10.5mm), 3/4" (14.5mm), 1" (20.0mm)

Set Pressure Range: 0.5~725 Psig (0.03~50 Bar)

Accuracy: 0.5~<2 Psig: ±10% ; 2~725 Psig: ±5% (on increasing pressure)

Working Temperature: -195°C ~ +205°C

Inline Valves: Proof Pressure: 400 Psig (28 Bar),

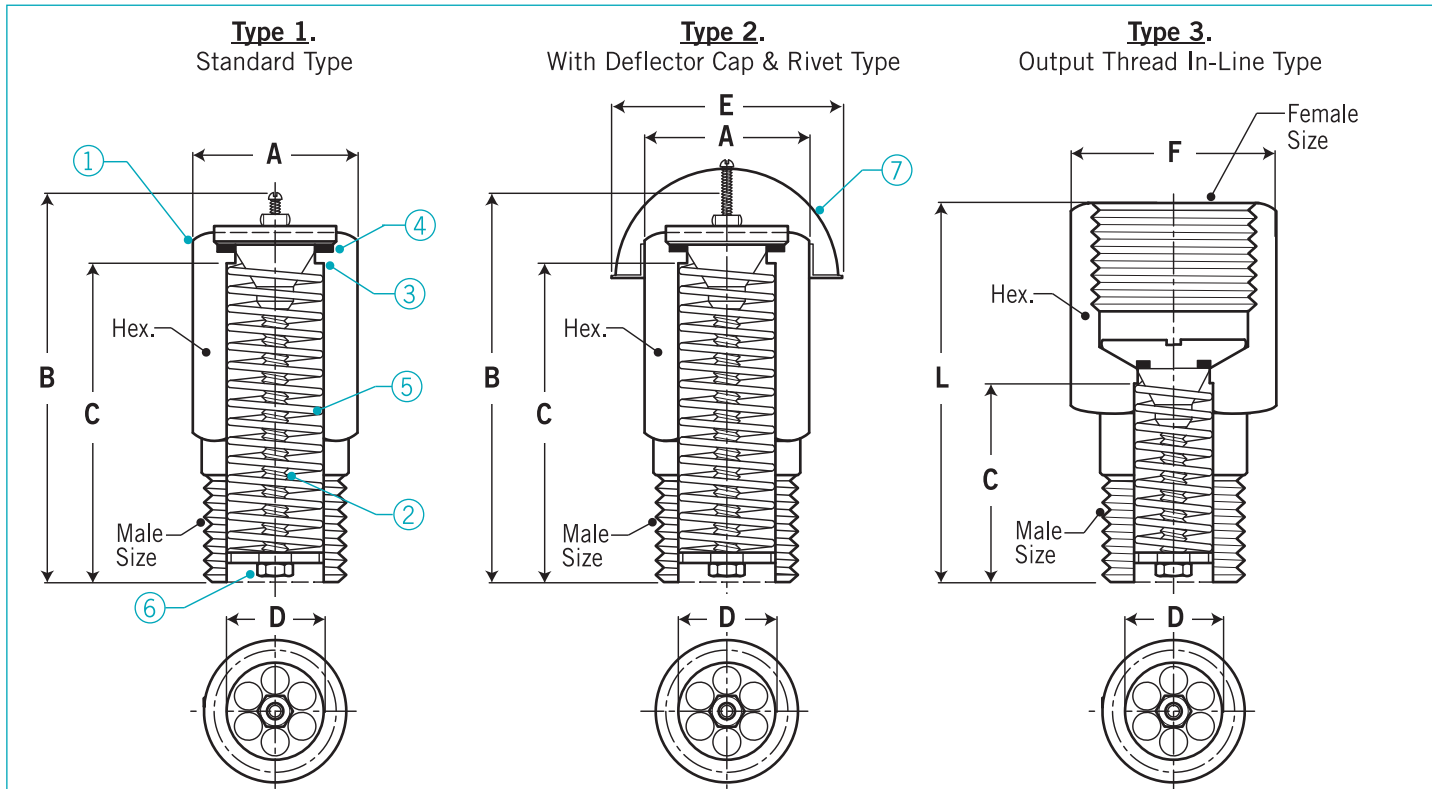
Burst Pressure: >500 Psig (34 Bar)

Reseal: 80% of set pressure for valve specified 2~10 Psig;

92% of set pressure for valve specified 10~725 Psig



Dimensions



Dimensions Data:

Male Size (NPT/PF)	Orifice (mm)	Dimensions (unit=mm)								Female Size (NPT/PF)
		A	B	C	D	E	F	L	Hex.	
1/4"	7.0	17.9	36.5	24.5	9.8	---	---	---	15.9	1/2"
3/8"	8.9	21.5	37.8	26.0	11.5	---	---	---	19.0	3/4"
1/2"	10.5	30.5	50.8	36.0	16.2	---	---	---	27.0	3/4"
3/4"	14.5	33.0	65.0	47.6	19.2	---	---	---	29.0	1"
1"	20.0	42.5	87.0	69.0	25.4	---	---	---	38.0	1 1/4"

Material & Parts List:

Item	Part Name	Material
1	Valve Body	SS316
2	Stem	SS316
3	Spring Retainer	SS316
4	Gasket	PTFE / Viton
5	Spring	SS316
6	Lock Nut	SS316
7	Deflector Cap & Rivet	SS316

Table of Set Pressure Range

Set Pressure Range @20°C (70°F)		Size					Gasket Material	
Psig	Bar	1/4"	3/8"	1/2"	3/4"	1"	PTFE	Viton
0.5~2.5	0.03~0.17	✓	✓	✓	✓	✓		✓
2.6~7.5	0.18~0.51	✓	✓	✓	✓	✓		✓
7.6~15	0.52~1.03	✓	✓	✓	✓	✓		✓
16~35	1.1~2.41	✓	✓	✓	✓	✓		✓
36~75	2.48~5.17	✓	✓	✓	✓	✓	✓	✓
76~125	5.24~8.61	✓	✓	✓	✓	✓	✓	✓
126~150	8.68~10.4	✓	✓	✓	✓		✓	✓
145~510	10~35	✓					✓	✓
290~725	20~50	✓					✓	✓

Ordering Information

