

## 8400 SERIES VAPOR VALVE



Precise.

Quality.

Reliable.



SINCE 1958

# 8400 SERIES /APOR VALVE

## **FEATURES** & Benefits

The 8400 Series Vapor Valve provides pressure relief in applications where hazardous vapors are to be piped away. The Vapor Valve is a non-ASME code valve, and specifically addresses low-pressure applications (below 15 PSIG). The valve uses a spring which directly opposes system pressure. A fully-guided, stainless steel disc senses the system pressure. If the system pressure ever reaches the valve's determined set pressure, the disc will release from its seated position, venting system pressure.

Applications: Glycol Reboiler Safety Relief, BTEX Safety Relief, Tank Blanketing, and Vessel Safety Relief below 15 PSIG

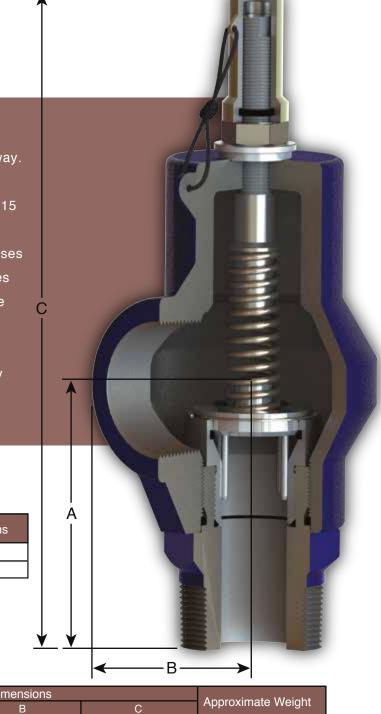
#### **SPECIFICATIONS**

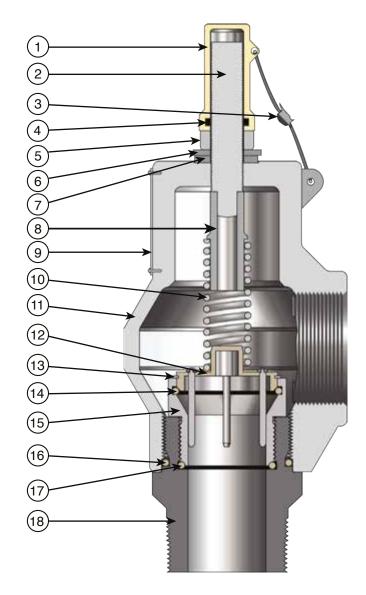
Flow Diameter	Pressure Range	Standard Connections
Full Bore	2.2 oz/in² to 14.7 psig	1" MNPT x 1" FNPT
Full Bore	2.0 oz/in² to 14.7 psig	2" MNPT x 2" FNPT

### **DIMENSIONS & WEIGHTS**

Connection Size		Threaded Connections		Dimensions					Ammunimente Maight		
				А		В		С		Approximate Weight	
Inlet	Outlet	Inlet	Outlet	inches	mm	inches	mm	inches	mm	lbs	kg
1"	1"	MNPT	FNPT	3-1/4	82.5	1-7/8	47.63	9-13/16	249	4.3	1.95
2"	2"	MNPT	FNPT	4-1/4	107.95	2-5/16	58.74	10-9/16	268	11.6	5.26







#### **BILL OF MATERIALS**

		Material			
#	Part Description	Standard	SS		
1	Thread Protector	Steel	302 SS		
2	Adjust Screw Assembly	Zinc CS	302 SS		
3	Lead Seal & Wire	Steel			
4	"O" Ring	FKM			
5	Nut	Steel	Steel		
6	Washer	Steel	Steel		
7	Thread Seal	Steel & FKM			
8	Spring Keeper	Steel	302 SS		
9	Data Label		304 SS		
10	Spring	17-7 SS	17-7 SS		
11	Body	ASTM A216 WCC			
12	Disc Assembly		316 SS		
13	Stop Ring		316 SS		
14	Disc Seal	FKM			
15	Seat		316 SS		
16	Body "O" Ring	FKM			
17	Seat "O" Ring	FKM			
18	Seat Frame	ASTM SA695 / SA36			

### **VALVE PART NUMBERS**

#	S	Spring		Size		ody & Seat ame Material
	01	Brown	01	1" MNPT x 1" FNPT	03	Carbon Steel
84	02	Blue	02	2" MNPT x 2" FNPT	05	316 SS
04	03	Yellow				
	04	Green				

Example: 84-020305

- 4							
	84	02	Blue	02	2" MNPT x 2" FNPT	05	316 SS

#### SPRING PART NUMBERS

Color	Size				
COIOI	1"	2"			
Brown	05-001615				
Blue	05-001115	05-001115			
Yellow	05-001215	05-001215			
Green		05-001315			

Alternate materials and connections available

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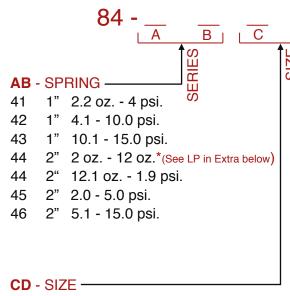
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#### **Part Number Matrix**

D | E F | Seperate or Combination



- 00 1/2" MNPT X 1" FNPT
- 01 1" MNPT X 1" FNPT
- 02 2" MNPT X 2" FNPT
- 05 1-1/2" MNPT X 2"FNPT
- 06 1" MNPT X 1-1/2" FNPT
- 07 3/4" MNPT X 1" FNPT

Consult factory or Taylor Valve

for flange options

#### **EF** - BODY MATERIAL ————

- 03 Carbon Steel / FKM
- 05 316 Stainless Steel / FKM
- 13 Carbon Steel W/ EPDM
- 35 Carbon Steel Body / 316 SS Seat Frame / FKM
- 39 Stainless Steel / AFLAS
- 43 Carbon Steel NACE / FKM
- 45 Stainless Steel NACE / FKM
- 49 Carbon Steel / AFLAS
- 63 Carbon Steel / Kalrez
- 65 Stainless Steel / Kalrez
- 73 Carbon Steel / 316 SS Seat Frame / Kalrez

#### EXTRA —

- -T 1/4" NPT Tap
- -LP \*Low Pressure below 12 oz. used on 2" only