

Modelo FP-426-02



Características y ventajas

- Seguridad y confiabilidad
 - Diseño simple, probado en el tiempo, con activación a prueba de fallos
 - Elastómero resistente de una sola pieza, tecnología VRSD
 - Ruta de flujo sin obstáculos y sin interrupciones
 - Sin partes mecánicas móviles
- Mantenimiento rápido y fácil
 - Servicio en línea
 - Retiro rápido y fácil de la tapa

Aplicaciones típicas

- Protección contra sobrecarga de bomba y cavitación
- sistemas de dosificación de presión balanceada
- Sistemas de inyección de concentrado de espuma
- Protección de caudal de la bomba

Aprobaciones



ABS
American Bureau of Shipping
Aprobación



Det Norske Veritas
Aprobación

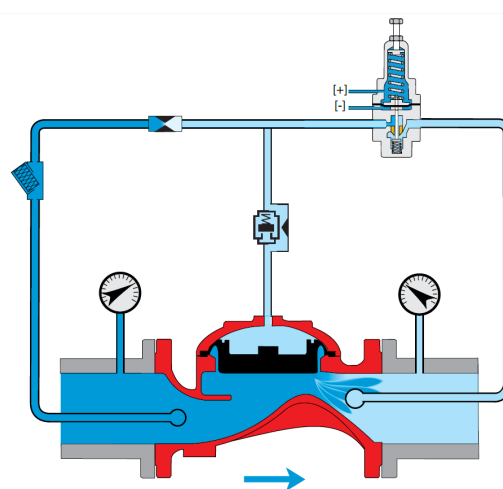
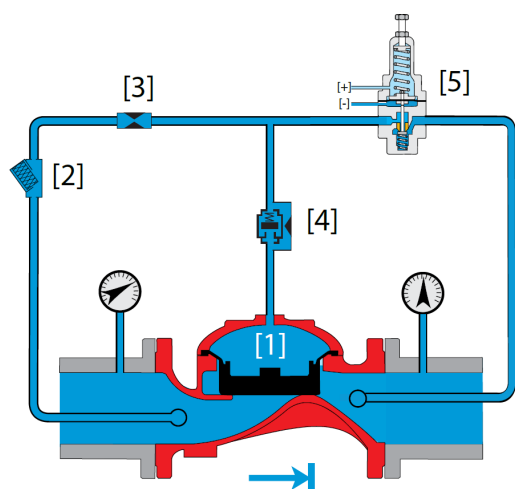


Lloyd's Register
Aprobación

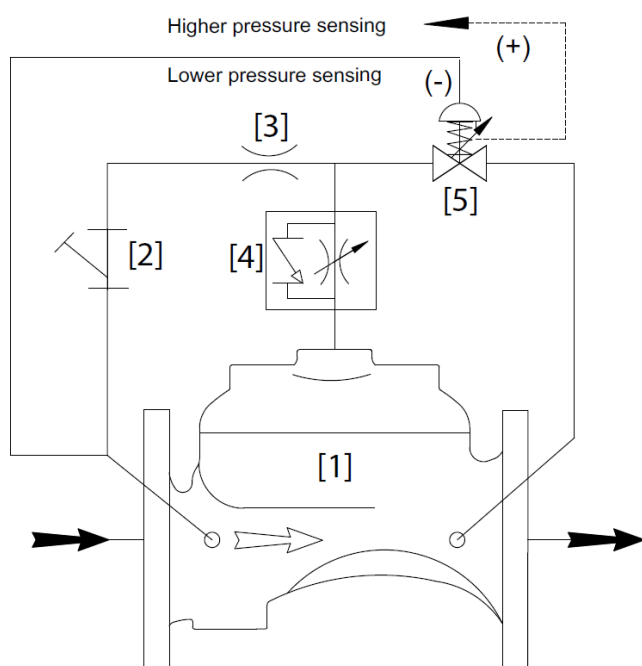
Características adicionales

- Large control filter
- Valve Position Indicator
- Revestimiento epoxi de alto espesor a base de zinc resistente a la corrosión

Operación



Esquema del sistema

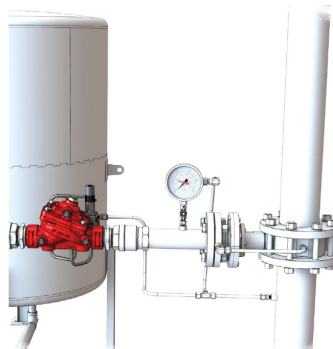


Componentes	
3	Restriction Orifice

Instalación del sistema

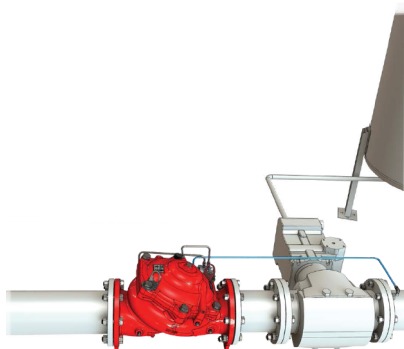
Sistema de dosificación de presión balanceada

- Una instalación típica es en un sistema de dosificación de presión balanceada, donde la BERMAD 426-02 se instala en la tubería de suministro de concentrado de espuma y se utiliza para mantener el diferencial de presión correcto entre la presión del sistema de agua contra incendios y la presión de su



Sistema de dosificación de concentrado de espuma

- Al detectar la presión diferencial a través de la bomba dosificadora, la 426-02 tiende a estrangular cuando se ha alcanzado el caudal máximo permitido para la bomba dosificadora, regulando y evitando que el caudal supere el máximo recomendado para la bomba dosificadora, evitando una sobrecarga peligrosa.



Especificaciones sugeridas

Datos técnicos

Tamaños disponibles:

Embridada- 1½, 2, 2½, 3, 4, 6, 8, 10 & 12"

Ranura (Victaulic)- 2, 3, 4, 6, & 8"

Presión nominal:

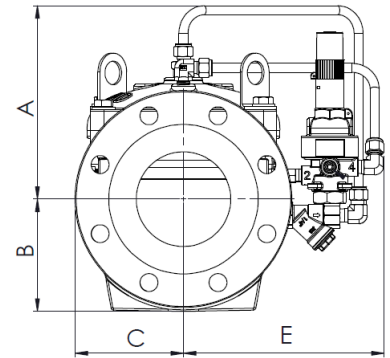
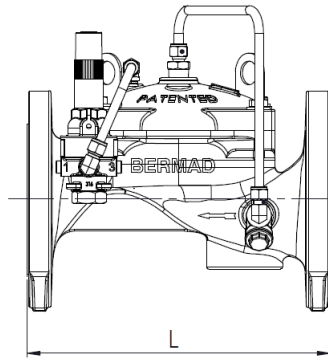
ANSI #150 - 17.2 bar | 250 psi

rango de ajuste: 0.5 - 3 bar | 7 - 43 psi

Elastómero:

HTNR - Fabric Reinforced High Temperature

Compound - See engineering data



Tamaño de Válvula	L #150 mm in	L ranurado mm in	L #300 mm in	A mm in	B mm in	C mm in	øD in	E mm in	F mm in	G mm in	Peso #150 kg lb	Peso #300 kg lb
DN40 1½"	205 8.1	-	-	159 6.2	64 2.5	64 2.5	-	168 6.6	-	-	11 25	-
DN50 2"	205 8.1	205 8.1	-	159 6.3	78 3.1	78 3.1	-	168 6.6	-	-	12 27	-
DN65 2½"	205 8.1	-	-	158 6.2	92 3.6	89 3.5	-	195 7.7	-	-	14 31	-
DN80 3"	257 10.1	250 9.8	-	177 7	97 3.8	96 3.8	-	200 7.9	-	-	23 51	-
DN100 4"	320 12.6	320 12.6	-	328 12.9	119 4.7	115 4.5	-	212 8.3	-	-	33 73	-
DN150 6"	415 16.3	415 16.3	-	276 10.8	145 5.7	145 5.7	-	238 9.4	-	-	77 170	-
DN200 8"	500 19.7	500 19.7	-	327 12.9	174 6.9	187 7.4	-	272 10.7	-	-	139 306	-
DN250 10"	605 23.8	-	-	324 12.8	210 8.3	204 8	-	285 11.2	-	-	156 343	-
DN300 12"	725 28.5	-	-	440 17.3	248 9.8	304 12	-	380 15	-	-	250 550	-

IMPORTANTE: Las dimensiones del contorno del trim o sus extensiones se refieren a una orientación horizontal y pueden variar según la posición específica de los componentes. Aparte de la dimensión "L", permita una tolerancia de al menos ±15 %

Valve Code Designations

FP	6"	426	02	V	C	A5	ER	NN	N6n																																																																
<table><tr><th>Category</th><th>Code</th></tr><tr><td>Standard</td><td>FP</td></tr><tr><td>Seawater</td><td>FS</td></tr><tr><td>Foam</td><td>FC</td></tr></table>	Category	Code	Standard	FP	Seawater	FS	Foam	FC		<table><tr><th>Additional Feature</th><th>Code</th></tr><tr><td>Closing Speed Control</td><td>01</td></tr><tr><td>Opening Speed</td><td>02</td></tr><tr><td>Opening & Closing Speed Control</td><td>03</td></tr><tr><td>None</td><td>-</td></tr></table>	Additional Feature	Code	Closing Speed Control	01	Opening Speed	02	Opening & Closing Speed Control	03	None	-		<table><tr><th>End Connections</th><th>Code</th></tr><tr><td>ANSI#150RF</td><td>A5</td></tr><tr><td>ANSI#150FF</td><td>a5</td></tr><tr><td>ISO PN16</td><td>16</td></tr><tr><td>Grooved ANSI C606</td><td>VI</td></tr></table>	End Connections	Code	ANSI#150RF	A5	ANSI#150FF	a5	ISO PN16	16	Grooved ANSI C606	VI					<table><tr><th>Factory Supplied Additional Items</th><th>Code</th></tr><tr><td>General Purpose NEMA-4 Pressure Switch</td><td>P</td></tr><tr><td>Ex Proof NEC, Div.1 Pressure Switch ⁽³⁾</td><td>P7</td></tr><tr><td>Ex d ATEX Pressure Switch ⁽³⁾</td><td>P9</td></tr><tr><td>Ex d Pressure Switch, SS316 Enclosure ⁽³⁾</td><td>P9Jn</td></tr><tr><td>Ex d Pressure Switch, SS316 Enclosure, Monel Sensor ⁽³⁾</td><td>P9mJn</td></tr><tr><td>Single Limit Switch, General Purpose</td><td>S</td></tr><tr><td>Single Ex d Proximity limit Switch</td><td>S9</td></tr><tr><td>Double Ex d Proximity Limit Switch</td><td>SS9</td></tr><tr><td>Double Ex d Proximity Limit Switch with SS316 Junction Box</td><td>SS9Jn</td></tr><tr><td>Pressure Gauge Assembly ⁽³⁾</td><td>6</td></tr><tr><td>S.S Glycerin Pressure Gauge Assembly ⁽³⁾</td><td>6n</td></tr><tr><td>Monel Pressure Gauge Assembly ⁽³⁾</td><td>6m</td></tr><tr><td>Special Elastomer ⁽⁴⁾</td><td>E</td></tr><tr><td>Large Control Filter</td><td>F</td></tr><tr><td>Valve Position Indicator</td><td>I</td></tr><tr><td>S.S 316 Trim Accessories</td><td>N</td></tr><tr><td>Pressure Transmitter ⁽³⁾</td><td>Q</td></tr></table>	Factory Supplied Additional Items	Code	General Purpose NEMA-4 Pressure Switch	P	Ex Proof NEC, Div.1 Pressure Switch ⁽³⁾	P7	Ex d ATEX Pressure Switch ⁽³⁾	P9	Ex d Pressure Switch, SS316 Enclosure ⁽³⁾	P9Jn	Ex d Pressure Switch, SS316 Enclosure, Monel Sensor ⁽³⁾	P9mJn	Single Limit Switch, General Purpose	S	Single Ex d Proximity limit Switch	S9	Double Ex d Proximity Limit Switch	SS9	Double Ex d Proximity Limit Switch with SS316 Junction Box	SS9Jn	Pressure Gauge Assembly ⁽³⁾	6	S.S Glycerin Pressure Gauge Assembly ⁽³⁾	6n	Monel Pressure Gauge Assembly ⁽³⁾	6m	Special Elastomer ⁽⁴⁾	E	Large Control Filter	F	Valve Position Indicator	I	S.S 316 Trim Accessories	N	Pressure Transmitter ⁽³⁾	Q
Category	Code																																																																								
Standard	FP																																																																								
Seawater	FS																																																																								
Foam	FC																																																																								
Additional Feature	Code																																																																								
Closing Speed Control	01																																																																								
Opening Speed	02																																																																								
Opening & Closing Speed Control	03																																																																								
None	-																																																																								
End Connections	Code																																																																								
ANSI#150RF	A5																																																																								
ANSI#150FF	a5																																																																								
ISO PN16	16																																																																								
Grooved ANSI C606	VI																																																																								
Factory Supplied Additional Items	Code																																																																								
General Purpose NEMA-4 Pressure Switch	P																																																																								
Ex Proof NEC, Div.1 Pressure Switch ⁽³⁾	P7																																																																								
Ex d ATEX Pressure Switch ⁽³⁾	P9																																																																								
Ex d Pressure Switch, SS316 Enclosure ⁽³⁾	P9Jn																																																																								
Ex d Pressure Switch, SS316 Enclosure, Monel Sensor ⁽³⁾	P9mJn																																																																								
Single Limit Switch, General Purpose	S																																																																								
Single Ex d Proximity limit Switch	S9																																																																								
Double Ex d Proximity Limit Switch	SS9																																																																								
Double Ex d Proximity Limit Switch with SS316 Junction Box	SS9Jn																																																																								
Pressure Gauge Assembly ⁽³⁾	6																																																																								
S.S Glycerin Pressure Gauge Assembly ⁽³⁾	6n																																																																								
Monel Pressure Gauge Assembly ⁽³⁾	6m																																																																								
Special Elastomer ⁽⁴⁾	E																																																																								
Large Control Filter	F																																																																								
Valve Position Indicator	I																																																																								
S.S 316 Trim Accessories	N																																																																								
Pressure Transmitter ⁽³⁾	Q																																																																								
<table><tr><th colspan="2">Valve Size</th></tr><tr><td>1½"</td><td>40 mm</td></tr><tr><td>2"</td><td>50 mm</td></tr><tr><td>2½"</td><td>60 mm</td></tr><tr><td>3"</td><td>80 mm</td></tr><tr><td>4"</td><td>100 mm</td></tr><tr><td>6"</td><td>150 mm</td></tr><tr><td>8"</td><td>200 mm</td></tr><tr><td>10"</td><td>250 mm</td></tr><tr><td>12"</td><td>300 mm</td></tr></table>	Valve Size		1½"	40 mm	2"	50 mm	2½"	60 mm	3"	80 mm	4"	100 mm	6"	150 mm	8"	200 mm	10"	250 mm	12"	300 mm			<table><tr><th>Installation</th><th>Code</th></tr><tr><td>Vertical</td><td>V</td></tr><tr><td>Horizontal</td><td>H</td></tr></table>	Installation	Code	Vertical	V	Horizontal	H		<table><tr><th>Coating</th><th>Code</th></tr><tr><td>High Build Epoxy</td><td>ER</td></tr><tr><td>Zinc Based High Build Epoxy ⁽⁵⁾</td><td>ZR</td></tr><tr><td>Uncoated</td><td>UC</td></tr></table>	Coating	Code	High Build Epoxy	ER	Zinc Based High Build Epoxy ⁽⁵⁾	ZR	Uncoated	UC				<table><tr><th>Tubing &</th><th>Code</th></tr><tr><td>Stainless</td><td>NN</td></tr><tr><td>Monel 400</td><td>MM</td></tr><tr><td>Super Duplex</td><td>DD</td></tr></table>	Tubing &	Code	Stainless	NN	Monel 400	MM	Super Duplex	DD																						
Valve Size																																																																									
1½"	40 mm																																																																								
2"	50 mm																																																																								
2½"	60 mm																																																																								
3"	80 mm																																																																								
4"	100 mm																																																																								
6"	150 mm																																																																								
8"	200 mm																																																																								
10"	250 mm																																																																								
12"	300 mm																																																																								
Installation	Code																																																																								
Vertical	V																																																																								
Horizontal	H																																																																								
Coating	Code																																																																								
High Build Epoxy	ER																																																																								
Zinc Based High Build Epoxy ⁽⁵⁾	ZR																																																																								
Uncoated	UC																																																																								
Tubing &	Code																																																																								
Stainless	NN																																																																								
Monel 400	MM																																																																								
Super Duplex	DD																																																																								
		<table><tr><th>Material Body & Cover ⁽¹⁾</th><th>Code</th></tr><tr><td>Ductile Iron A356 ⁽²⁾</td><td>C</td></tr><tr><td>Steel ASTM A216 WCB ⁽²⁾</td><td>S</td></tr><tr><td>Stainless Steel 316</td><td>N</td></tr><tr><td>Nickel Al Bronze C95800</td><td>U</td></tr><tr><td>Super Duplex Grade 5A</td><td>D</td></tr></table>	Material Body & Cover ⁽¹⁾	Code	Ductile Iron A356 ⁽²⁾	C	Steel ASTM A216 WCB ⁽²⁾	S	Stainless Steel 316	N	Nickel Al Bronze C95800	U	Super Duplex Grade 5A	D																																																											
Material Body & Cover ⁽¹⁾	Code																																																																								
Ductile Iron A356 ⁽²⁾	C																																																																								
Steel ASTM A216 WCB ⁽²⁾	S																																																																								
Stainless Steel 316	N																																																																								
Nickel Al Bronze C95800	U																																																																								
Super Duplex Grade 5A	D																																																																								

Notes:

(1) Other materials available see engineering data

(2) Coated internally and externally

(3) Supplied loose

(4) Consult BERMAD for availability

(5) For valves up to and including 10"

*More options available – consult BERMAD

Notes:
 (1) Other materials available see engineering data
 (2) Coated internally and externally
 (3) Supplied loose
 (4) Consult BERMAD for availability
 (5) For valves up to and including 10"

*More options available – consult BERMAD