



Model 346 Series External Emergency Valves

SPECIFICATION SHEET

Application

The Morrison Fig. 346 Series External Emergency Valve is designed for installation at the outlet of an AST or in a liquid transfer line where product flow must be stopped in the event of a fire. The flanges on the 346FDI models conform to ANSI B16.42 specifications for class 150 raised face ductile iron flanges.

Operational Criteria

- 346DI/SS models: cold, non-shock maximum operating pressure 200 psi W.O.G.
- 346FDI models: cold, non-shock maximum operating pressure 250 psi W.O.G.

Materials of Construction

- O-ring... Teflon® encapsulated fluoroelastomer
- Spring... 302 stainless steel
- Seal nut/plug... 303 stainless steel
- Handle... Brass
- Fulcrum shaft... 303 stainless steel
- Groove pin... Steel
- Hold open hook... Stainless steel

Certifications and Listings

Fuse link is UL listed



Fig. 346FDI



Fig. 346DI



Fig. 346DI (1" with bushing)



Fig. 346SS

Item Number	A	B	C	D	E	F	G	H	I	J	K	L
346FDI0200 AV	2"	F	DI	TFE	DI	DI	165°	4	6.25	6.5		15.0
346FDI0300 AV	3"	F	DI	TFE	DI	DI	165°	4	8.53	8.63		29.40
346FDI0400 AV	4"	F	DI	TFE	DI	DI	165°	8	11.75	11.5		72.0
346DI-1000 AV*	¾"		DI	TFE	DI	DI	165°		5"	6.94	I	7.30
346DI-1100 AV*	1"		DI	TFE	DI	DI	165°		5"	6.94	I	7.30
346DI-1200 AV*	1½"		DI	TFE	DI	DI	165°		5"	6.94	I	7.0
346DI-0400 AV	1½"		DI	TFE	DI	DI	165°		5"	5.44		6.80
346DI-0500 AV	2"		DI	TFE	DI	DI	165°		5"	5.44		6.20
346DI-0600 AV	3"		DI	TFE	DI	DI	165°		7"	8.32		15.50
346SS-1000 AV*	¾"		SS	TFE	SS	SS	165°		5"	6.94	SS	8.60
346SS-1100 AV*	1"		SS	TFE	SS	SS	165°		5"	6.94	SS	8.60
346SS-1200 AV*	1½"		SS	TFE	SS	SS	165°		5"	6.94	SS	8.50
346SS-0100 AV	1½"		SS	TFE	SS	SS	165°		5"	5.44		8.0
346SS-0200 AV	2"		SS	TFE	SS	SS	165°		5"	5.44		7.0

*1½" valve with factory-installed reducer bushing.

SPECIFICATION OPTIONS:

- A—Size (inches)
- B—Mounting connection: Flanged (F) or Female NPT (Blank)
- C—Body/cap material: Ductile iron (DI) or 316 stainless steel (SS)
- D—Gasket material: Teflon® (TFE)
- E—Poppet: Ductile iron (DI) or 316 stainless steel (SS)
- F—Lever arm: Ductile iron (DI) or 316 stainless steel (SS)
- G—Fuse link: 165°F STD. (212°F Optional); Fuse link is UL Listed
- H—Number of bolt holes
- I—Height of valve (inches)
- J—Length of valve (inches)
- K—Reducing bushings: Iron (I) or 316 stainless steel (SS)
- L—Shipping weight (lbs)

Companion flanges, flange gaskets, nuts, bolts and washers available.



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