DATA SHEET

SCRD FSR HOLDER

DESCRIPTION

The Typical SCRD FSR Bolted Type Rupture Disc Holder is a two-piece unit consisting of a base flange (inlet) and a holddown flange (outlet). The seating surfaces of these flanges are machined to grip Fike's SCRD FSR Rupture Disc, and includes a groove to interlock with the SCRD FSR high-pressure support ring. When assembled, the crown of the disc protrudes into the holddown flange and the flat portion of the disc is clamped between the base and holddown flanges, providing a metal to metal seal.

Fike's Bolted Type Rupture Disc Holders can be incorporated into a pressure system by bolting between ANSI companion flanges.

"G Insert" type rupture disc holders are furnished with a method of preassembly so the rupture disc may be installed at a workbench or some other convenient location. Once the disc is in place the unit may be assembled and installed into the line, minimizing the chance of damage to the rupture disc.

Carbon steel and 316 SST are the standard materials of construction for G Insert Holders. However, Inconel® 600, Monel® 400, Hastelloy®C276, or other special materials can be furnished for either inlet or outlet flanges. The standard flange facing is Spiral 125-250 µin Ra per ASME B16.5, alternate flange facings such as RTJ, tongue and groove and others are available on request.

ORDERING INFORMATION

When ordering SCRD FSR Bolted Type Rupture Disc Holders it is necessary to specify the following: Size, ANSI rating, type (SCRD FSR), flange facing and material requirements for the inlet and outlet. Studs and nuts of appropriate length will be furnished in standard material unless otherwise specified.

INSTALLATION

Please see Fike installation instruction 06-299.

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SIZE		FLANGE RATING (ANSI)	Assembly Height IN (mm)
IN	DN		
0.5	15	300	2.00 (50.8)
		600	2.00 (50.8)
		900*	1.94 (49.3)
		1500*	1.94 (49.3)
		2500*	2.13 (54.1)
0.75	20	300	1.94 (49.3)
		600	1.94 (49.3)
		900*	1.88 (47.8)
		1500*	1.88 (47.8)
		2500*	2.13 (54.1)
1	25	300	1.94 (49.3)
		600	1.94 (49.3)
		900	2.00 (50.8)
		1500	2.00 (50.8)
		2500	2.38 (60.5)
1.5	40	300	1.94 (49.3)
		600	1.94 (49.3)
		900*	2.13 (54.1)
		1500*	2.13 (54.1)
		2500*	2.88 (73.2)
2	50	300	2.06 (52.3)
		600	2.06 (52.3)
		900	2.50 (63.5)
		1500	2.50 (63.5)
		2500	3.25 (82.6)
3	75	300	2.19 (55.6)
		600	2.19 (55.6)
		900	2.75 (69.9)
		1500*	3.00 (76.2)
		2500*	4.38 (111.3)
4	100	300	2.19 (55.6)
		600	2.56 (65.0)
		900	2.88 (73.2)
		1500*	3.38 (85.9)
		2500*	4.94 (125.5)
6	150	300	2.56 (65.0)
		600	3.06 (77.7)
		900	3.50 (88.9)
8	200	300	2.69 (68.3)
		600	3.81 (96.8)
		900	4.31 (109.5)
10	250	300	3.06 (77.7)
		600	4.31 (109.5)
		900	4.69 (119.1)
12	300	300	3.31 (84.1)
		600	4.44 (112.8)
		900	5.44 (138.2)
14	350	300	3.56 (90.4)
		600	4.69 (119.1)
16	400	300	3.81 (96.8)
		600	5.19 (131.8)
18	450	300	4.06 (103.1)
		600	5.56 (141.2)
20	500	300	4.31 (109.5)
		600	6.06 (153.9)
24	600	300	4.69 (119.1)
		600	7.06 (179.3)

** High yield strength materials are recommended for higher flange ratings due to additional loads.*

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