

Flex Flange

SUBMITTAL

JOB: _____	REPRESENTATIVE: _____
_____	_____
ENGINEER: _____	ORDER NO: _____ DATE: _____
CONTRACTOR: _____	SUBMITTED BY: _____ DATE: _____
_____	APPROVED BY: _____ DATE: _____

Quantity	TAG No.	Model No.	Comments

Flex FLANGE APPLICATIONS

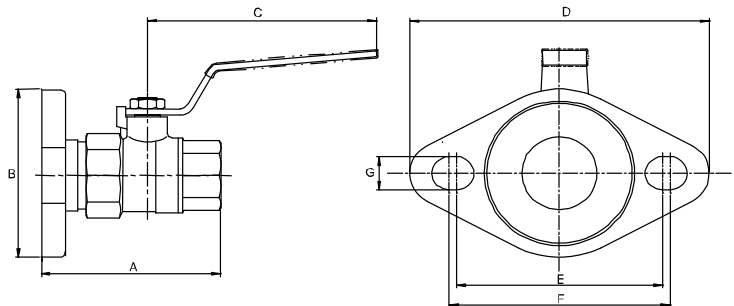
Armstrong Flex Flanges are used in pairs to connect circulating pumps in hydronic systems. These flanges feature di-electric sleeves to prevent possible galvanic corrosion from the contact of dissimilar metals. The Flex Flange is rotating flange design to allow maximum installation flexibility regardless of pump flange orientation. The longer one of the units includes the spring check valve to prevent gravity circulation of the heating medium flowing in the wrong direction. These devices rapidly isolate a circulator to be serviced, and eliminate the need to drain and refill the entire system. The Flex Flange integrates a 2-bolt flange connection (common to small circulating pumps) with a full-port ball valve. This practical "all-in-one" design reduces the number of plumbing connections and results in a more reliable, economical and easily serviced hydronic system.

TECHNICAL DATA

Maximum Working Pressure	150 psig (10.3 bar)
Maximum Operating Temperature	250°F (121°C)

MATERIALS OF CONSTRUCTION

Valve and Stem	Brass
Flange	Cast Iron/Chromate
Ball	Chrome Plated Brass
Stem O-Rings	Buna N
Seat	PTFE



DIMENSIONS and WEIGHTS

Size	Type	A		B	C	D	E	F	G
		ISO (without Check)	ISO (with Check)						
1/2" (DN15)	NPT	2.56 (65)	2.77 (70)	2.70 (68.6)	3.54 (90)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
3/4" (DN20)	NPT	2.94 (75)	3.43 (87)	2.70 (68.6)	3.54 (90)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
1" (DN25)	NPT	3.50 (89)	4.17 (106)	2.70 (68.6)	4.53 (115)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
1-1/4" (DN32)	NPT	4.03 (102)	4.94 (126)	2.70 (68.6)	5.51 (140)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
1-1/2" (DN40)	NPT	4.31 (110)	5.24 (133)	2.70 (68.6)	5.51 (140)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
1/2" (DN15)	Sweat	2.45 (62)	2.67 (68)	2.70 (68.6)	3.54 (90)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
3/4" (DN20)	Sweat	3.04 (77)	3.54 (90)	2.70 (68.6)	3.54 (90)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
1" (DN25)	Sweat	3.69 (94)	4.38 (111)	2.70 (68.6)	4.53 (115)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
1-1/4" (DN32)	Sweat	4.16 (106)	5.07 (129)	2.70 (68.6)	5.51 (140)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)
1-1/2" (DN40)	Sweat	4.56 (116)	5.49 (139)	2.70 (68.6)	5.51 (140)	4.63 (117.6)	3.18 (80.8)	3.41 (86.6)	0.53 (13.5)

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