

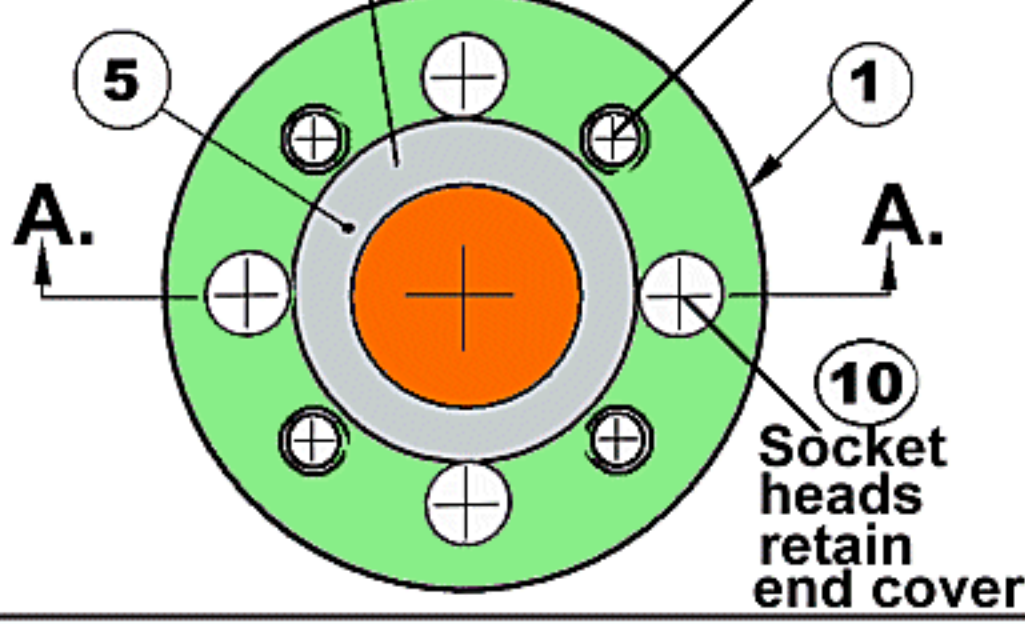
"PUG/--/--" PumpGuard "Clear-Flo" for in place flush.

Pulse Damper for viscous liquids & slurries in suction and LP discharge lines

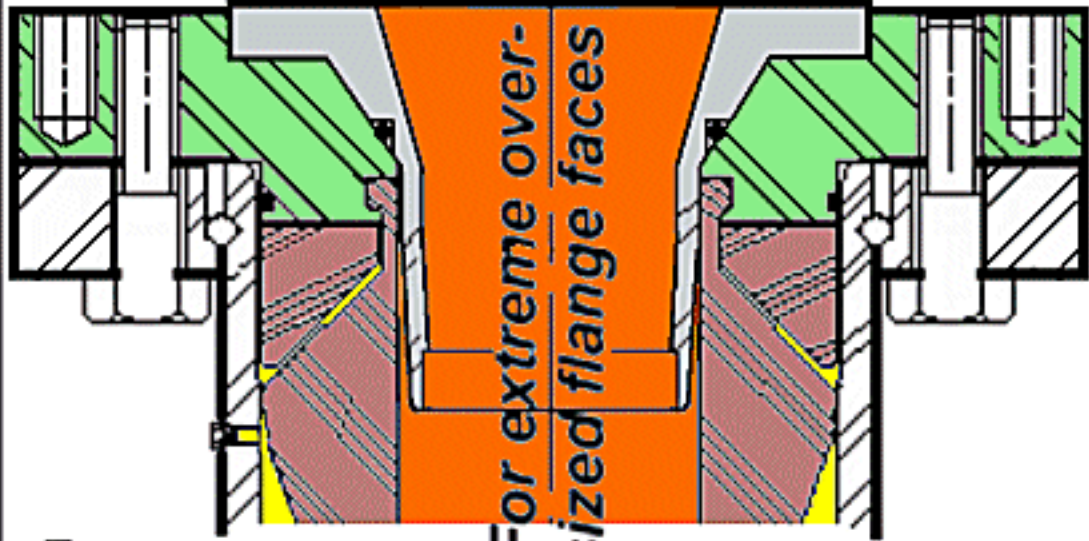
106



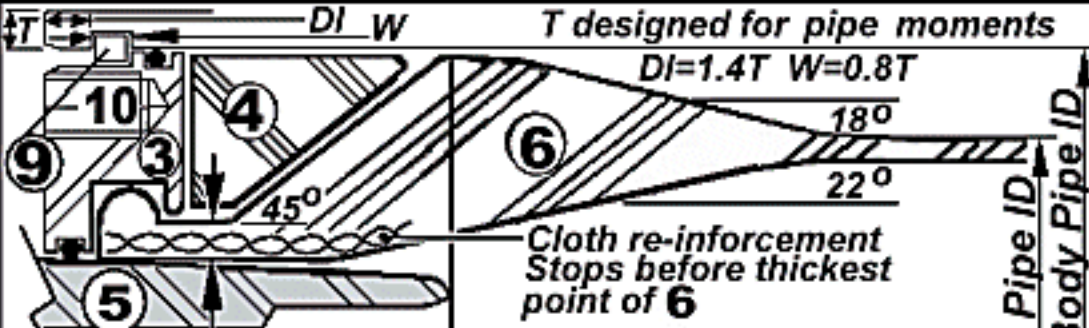
Standard Raised Face Per ANSI B16.5
With tapped stud bolt holes. "RF"



XL-RF

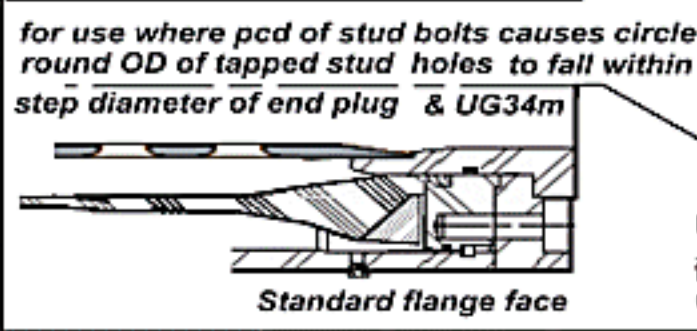


Extra :
Where the moment applied by the pipeline to the PUMPGUARD is from a larger than normal flange, an external bolt ring is provided.



Tube neck thickness 5 extends to the thickest point of 6
Neck length = 3 x Tube neck thickness
The thickened section of 6 prevents "hemeroiding" round the nose of 5, from occurring & restricting flow
4 allows flexing of 6 thickness without tearing tube neck.

CONNECTION OPTIONS Extra.
Through hole bolting and addition of threads by flanged spools

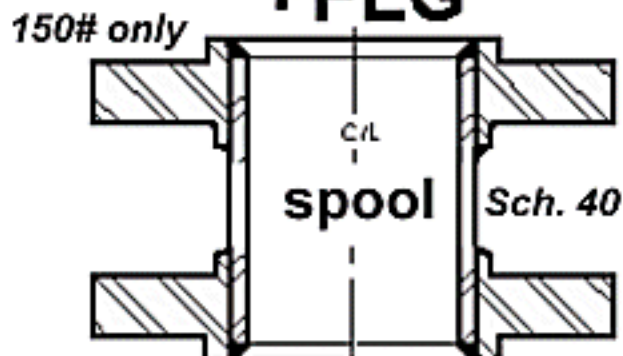


PERFORATED SUPPORT TUBE
Perf Punching from outside towards inside to pull sharp corners away from Flex-Tube wall

CONNECTION OPTION Extra.

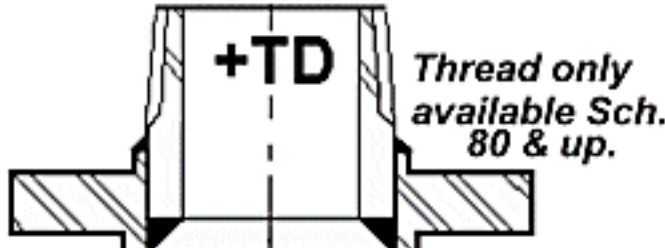
Food & Drug "FD" combined Item 1 & 5 connection ends.

+FLG

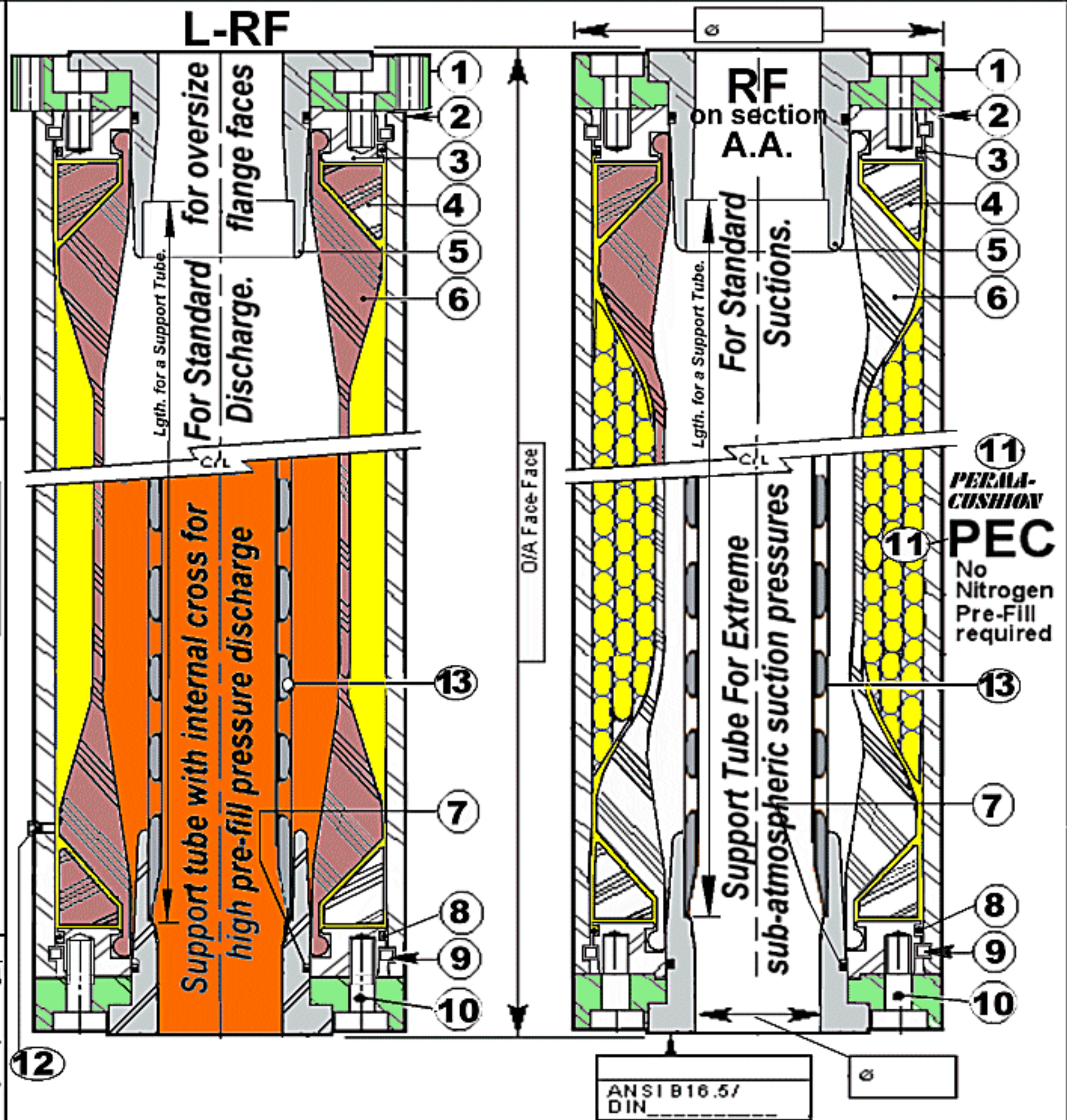


Where standard stud bolts must pass THROUGH additional flanges are provided

+TD



Where a thread is required, a flanged thread is bolted on.



ITEM	PT. Nbr.	DESCRIPTION	MTRL	HT / CAST Nbr.	CUSTOMER
1		TAPPED BOLT HOLE FLANGE / END CVR.	PVQ CS		CUSTOMER REF.
2		BODY PIPE WITH GROOVED ENDS	106B		3rd. PARTY QA. EXTRA
3		END PLUG WITH SEAL GROOVES	PVQ CS		DOCUMENTATION LEVEL EXTRA
4		CORNER FILLING RING	Rubber		WELDING W: NONE
5		ANCHOR TUBE W/ SEAL & RAISED FACE	316SS		QUANTITY
6		FLEX-TUBE WITH THICKENED ENDS	Elastomer		SHOP / JOB Nbr.
7		ANCHOR TUBE "O" SEAL	E,N,orV		WEIGHT(Est.)
8		END PLUG "O" SEAL	Epdm		ISSUED BY M.P.
9		SEGMENTAL LOCK RING	106		ISSUED DATE Feb 2002
10		FLANGE / CVR. HOLDING SOCKET SCREW	Gr10		CHECKED BY D.B.
11		FOAM CUSHION FOR SUCTION JOBS	Urethane		FILE NAME PugVw.bmp
12		GAS CUSHION FILLING VALVE	304ss		SCALE Not To Scale.
13		PERFORATED SUPPORT TUBE	304Lss		Rev. # 0
14					DIMENSIONS ARE mm
15					unless otherwise stated

Reading the Pt Nbr. To Suit Specific Pump Type / PumpGuard / With PermaCushion / or / With Perforated Support Tube / Number of in3 capacitance Vol or +Liters / Lbs in2 design pressure / Connections / wetted materials
HOS=Hose, PROG-C=Progressive Cavity/ "PUG" / "PEC" / or / "PST" / 230 or 4 LT, 3465 or 57LT, 12250 or 200LT, / Example 550p = 550 psi / 10" 300# / 316= 316/316L SS

PULSEGUARD Inc.
For the Americas --01(1)910-270-2737
BW & Color Fax, --01(1)910-270-0320

Drawing / Pt. Nbr. PugDetail.typical
Pug/RF & LRF & XLRF & FD

IN ASSOCIATION WITH OTHER M. PACKER LICENSEES :-
Flow-Guard.com, Solcx Ltd, ShockGuard USA, Liquid Dynamics
Flow-Fuses, Special Accumulators, Pipe Shock Alleviators, International Inc. Analysis