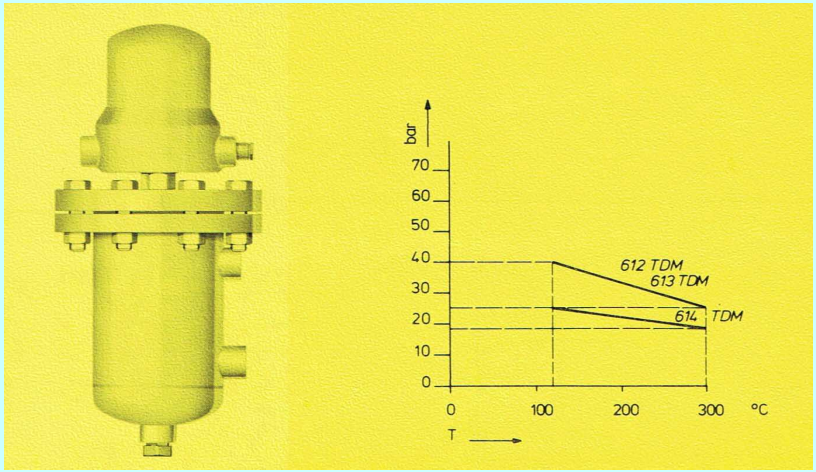
Data-Sheet **F1.13**

PREMATROL Liquid Level Switch

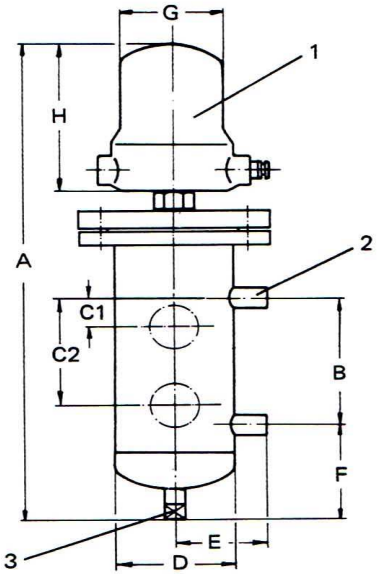
600TDM Series

External Cage Float Type

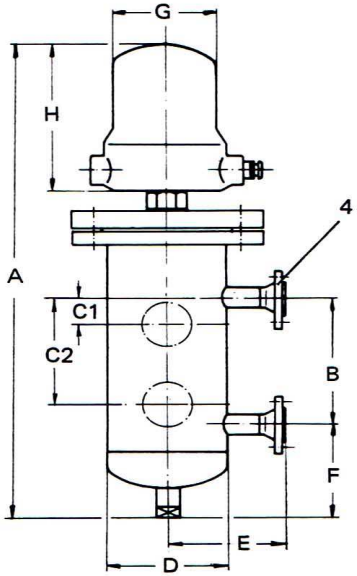


Outline Dimensional Drawings

612TDM thru 614TDM



612HFS-TDM thru 614HFS-TDM



Standard Design :

Model No.		612TDM		613TDM		614TDM			
Float Chamber Material		Carbon Steel, flanged body							
Rated, ... bar at 120°C		40		40		40*			
Body Connections		1" female pipe thread or 1" NPT(F)							
Flanged Connections	Size: DN	25	1"	25	1"	25	1"		
VF- or HF-Style	Rating: PN	40	300#	40	300#	40	300#		
Flanges acc. to		DIN	ASA	DIN	ASA	DIN	ASA		
Drain Connection		1" female pipe thread or 1" NPT(F) with Plug							
2 Floats, Size (mm diam.)		120		130		140*			
min. Spec. Gravity		0,70		0,60		0,50			
Float / Float Stem Material		V4A-SS, Mtl. No. 1.4571 / SS316Ti							
Switch Housing		Cast Aluminium, IP55 acc. to DIN 40050							
Conduit Connection		PG16 DIN 46255 (Thread)							
Switch Mechanism		2 ea. Mercury Type Q1 - SPDT for HLA + LLA							
Switch Differential		separate for HLA & LLA : min. 25 mm, max. 60 mm **							

* max. Test Pressure for Float 140 mm : 35 Bar ** adjustable (internal)

1) Switch Housings shown are standard IP55.
2) 1" pipe thread or 1" NPT(F)
3) Flange : standard or acc. to specifications.
4) Drain : 1/2" pipe thread or 1/2" NPT(F) plugged

Optional :

Float Chamber Material	SS or other Mtl. upon request			
Connection Flanges	flange facing acc. DIN or ASA standards (or requirements)			
Drain / Vent connection	as per requirements, flanged or pipe thread.			
Float / Float Stem Material	as per requirements			
Enclosure	for Ex-Proof, please ask			
Conduit Connection	as per requirements			
Cooling Fin Extension	applicable on service temp. > 300°C			
Switches : refer to Data-Sheet	Mercury : C1.1	Micro : C2.1	Proximity	Pneumatic

Model No.	Style	A	B	C1/C2	D	E	F	G	H
612TDM	./.	1020	500	50	139	95	170	130	250
613TDM, 614TDM				450	168	105			
612TDM	HFS	1020	500	50	139	195	170	130	250
613TDM, 614TDM				450	168	205			

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