

Information on the Pressure Equipment Directive

Proline Prowirl 72, 73

The following information relates to devices which have been examined in accordance with the guidelines of the Pressure Equipment Directive 97/23/EC.

Type code

The code on the nameplate of the measuring device indicates whether the device in question has been examined in accordance with the Pressure Equipment Directive:

Type code	Definition
Prowirl 72F/W**_*****P/R/T/W*****	P/R/T/W = Approved in accordance with Pressure Equipment Directive, Category III
Prowirl 73F/W**_*****P/R/T/W*****	

Classification

The classification of the measuring device as per Art. 3 Par. 3, Cat. I/II or III is in accordance with the PED 97/23/EC, Annex II, Tables 6 to 9. Taking the flange-independent maximum pressure of the Prowirl 72 resp. Prowirl 73 into account, the following is the maximum classification:

Device		Application				
Type	Nominal diameters DN	Stable gases and liquids				Unstable gases
		Piping for gases, steams and liquids with a vapor pressure > 0.5 bar		Piping for liquids with a vapor pressure < 0.5 bar		
		Group 1 fluids	Group 2 fluids	Group 1 fluids	Group 2 fluids	
Prowirl 72F, 73F (standard version up to PN 40 / Cl. 300 / JIS 20K)	15...25	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3
	40	Cat. II	Cat. I	Art. 3 Par. 3	Art. 3 Par. 3	Cat. III
	50...100	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	150...200	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
	250...300	Cat. III	Cat. II	Cat. II	Cat. I	Cat. III
Prowirl 72F, 73F (high pressure version, PN 63 to 160 / Cl. 600 / JIS 40K)	15...25	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3
	40...100	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	150	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
highest pressures Prowirl 72F (PN 250 / Cl. 900...1500)	15...25	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3
	40...50	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	80...100	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	150	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
Prowirl 72W, 73W	15...25	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3
	40	Cat. II	Cat. I	Art. 3 Par. 3	Art. 3 Par. 3	Cat. III
	50...100	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	150	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III

- Group 1 fluids: explosive, flammable, toxic or oxidising media
- Group 2 fluids: non-explosive, non-flammable, non-toxic and non-oxidising media

In principle, Prowirl 72 resp. Prowirl 73 is suitable for all gas groups and fluids without restriction in accordance with the Pressure Equipment Directive.

Product structure for flanged devices "R Type" and "S Type" (with reduction of line size)

Device		Application					
R Type	Single reduction of line size (>)	Stable gases and liquids				Unstable gases	
		Piping for gases, steams and liquids with a vapor pressure > 0.5 bar		Piping for liquids with a vapor pressure < 0.5 bar			
		Group 1 fluids	Group 2 fluids	Group 1 fluids	Group 2 fluids		
7*F	RF _*****	DN 25 (1") > DN 15 (½")	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3	Art. 3 Par. 3
	RG _*****	DN 40 (1½") > DN 25 (1")	Cat. II	Cat. I	Art. 3 Par. 3	Art. 3 Par. 3	Cat. III
	RJ _*****	DN 50 (2") > DN 40 (1½")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	RK _*****	DN 80 (3") > DN 50 (2")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	RM _*****	DN 100 (4") > DN 80 (3")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	RN _*****	DN 150 (6") > DN 100 (4")	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
	RR _*****	DN 200 (8") > DN 150 (6")	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
S Type	Double reduction of line size (>>)						
7*F	SF _*****	DN 40 (1½") >> DN 15 (½")	Cat. II	Cat. I	Art. 3 Par. 3	Art. 3 Par. 3	Cat. III
	SG _*****	DN 50 (2") >> DN 25 (1")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	SJ _*****	DN 80 (3") >> DN 40 (1½")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	SK _*****	DN 100 (4") >> DN 50 (2")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	SM _*****	DN 150 (6") >> DN 80 (3")	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
	SN _*****	DN 200 (8") >> DN 100 (4")	Cat. III	Cat. II	Cat. II	Cat. I	Cat. III
	SR _*****	DN 250 (10") >> DN 150 (6")	Cat. III	Cat. II	Cat. II	Cat. I	Cat. III

Further information

All measuring devices undergo a pressure unit test with at least 1.5 times the maximum pressure rating. For more details, please refer to the 3.1 certificate provided.

Approval number

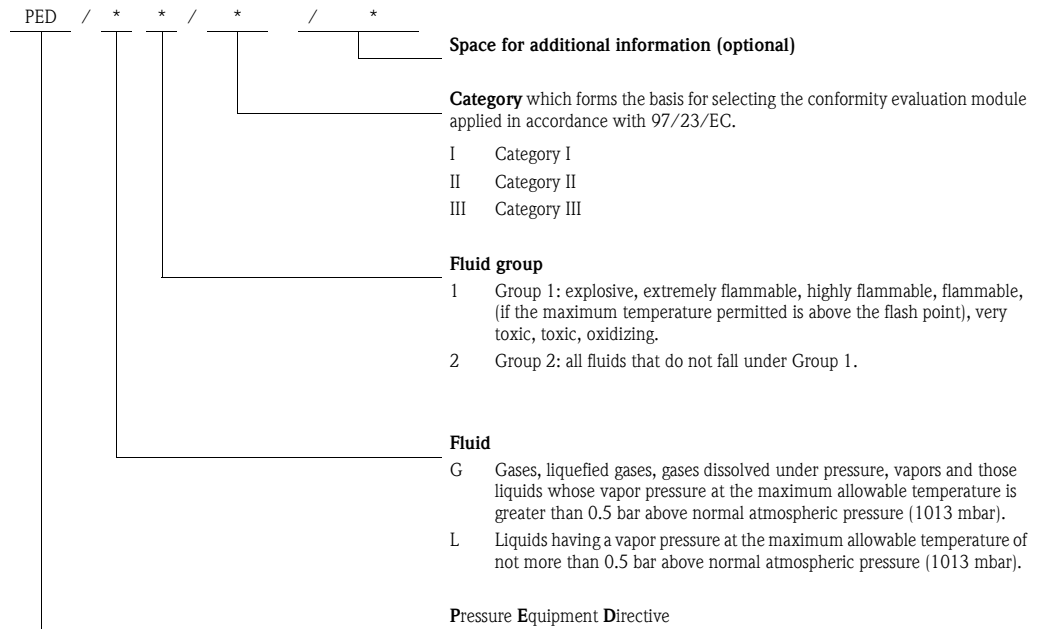
The following approval number for the design examination in accordance with Stoomwezen B.V. applies to all the Prowirl measuring systems listed: **PED/B1/9002087**



Note!

Labeling of pressure equipment

The following additional labeling is used to make it easier to identify devices bearing the CE mark on account of the Pressure Equipment Directive.



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