



## 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	
<b>Prowirl 72F, 73F</b> (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
<b>Prowirl 72F, 73F</b> (high pressure version, PN 63...160 / Cl. 600 / JIS 40K)	250...300	Cat. III	Cat. II	Cat. II	Cat. I	Cat. III
	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
<b>highest pressures Prowirl 72F</b> (PN 250 / Cl. 900...1500)	150	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
	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
<b>Prowirl 72W, 73W</b>	150	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
	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	<b>RF</b> _*****	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
	<b>RG</b> _*****	DN 40 (1½") > DN 25 (1")	Cat. II	Cat. I	Art. 3 Par. 3	Art. 3 Par. 3	Cat. III
	<b>RJ</b> _*****	DN 50 (2") > DN 40 (1½")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	<b>RK</b> _*****	DN 80 (3") > DN 50 (2")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	<b>RM</b> _*****	DN 100 (4") > DN 80 (3")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	<b>RN</b> _*****	DN 150 (6") > DN 100 (4")	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
	<b>RR</b> _*****	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	<b>SF</b> _*****	DN 40 (1½") >> DN 15 (½")	Cat. II	Cat. I	Art. 3 Par. 3	Art. 3 Par. 3	Cat. III
	<b>SG</b> _*****	DN 50 (2") >> DN 25 (1")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	<b>SJ</b> _*****	DN 80 (3") >> DN 40 (1½")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	<b>SK</b> _*****	DN 100 (4") >> DN 50 (2")	Cat. II	Cat. I	Cat. II	Art. 3 Par. 3	Cat. III
	<b>SM</b> _*****	DN 150 (6") >> DN 80 (3")	Cat. III	Cat. II	Cat. II	Art. 3 Par. 3	Cat. III
	<b>SN</b> _*****	DN 200 (8") >> DN 100 (4")	Cat. III	Cat. II	Cat. II	Cat. I	Cat. III
	<b>SR</b> _*****	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**

---

[www.endress.com/worldwide](http://www.endress.com/worldwide)

---

**Endress+Hauser**   
People for Process Automation

---