

## Pressure Equipment Directive (PED) Classification Guide for LP Gas Products

### Introduction

The Pressure Equipment Directive (PED) 97/23/EC requires pressure equipment destined for Europe to have a CE mark and that the equipment meet all aspects of the directive. The PED is a directive that applies to the design, manufacture, and conformity assessment of pressure equipment and pressure assemblies. All equipment covered by the directive must comply with essential safety requirements and meet the equivalent national laws of all member countries.

### PED Classification

To ensure that products destined for Europe meet the requirements of PED, it is necessary to determine the proper PED classification. In the PED, pressure equipment can be classified in one of the following categories.

- SEP (Sound Engineering Practice)
- Category I
- Category II
- Category III
- Category IV

### SEP Products

The SEP classification applies to pressure equipment that is not subject to Category I, II, III, or IV conformity assessment, but must be designed and manufactured with “sound engineering practice” as defined by the PED. SEP classified products do not and cannot receive a CE mark.

### Product Classification

Use the tables on the following pages to find the PED category of a specific product.

#### Note

**Any specific type number, body size, or body material not included in the PED Product Classification table is not available for sale into Europe. Products**



Figure 1. CE Mark

**can only be processed per classification specified in the PED Products Classification table.**

**Due to PED Classification limitations, some products may not be available at full rated pressures. Be sure to check the PED Product Classification table for any limitations.**

### PED Documentation

#### Documentation

Fisher products destined for Europe will contain an Instruction Manual in the language requested. If a language is not yet available or is not requested, then English, German, and French Instruction Manuals will be included.

#### Documentation On-Line

Instruction Manuals in the desired language are available on the Internet for immediate viewing and download. To access: go to [www.fisherregulators.com/lp/](http://www.fisherregulators.com/lp/). Locate and click the CE mark button (see figure 1). Subsequent screens will display available PED Instruction Manuals, which may be downloaded in .pdf format. (To view a .pdf file Acrobat Reader software must be loaded on your computer. Acrobat Reader software latest version is available free on the [www.adobe.com](http://www.adobe.com) website.)



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MODEL NUMBER	DESCRIPTION	SIZE, INCHES (DN)	END CONNECTION	BODY MATERIAL	PED CATEGORY	PSCD CODE
1301F	Regulator	1/4 (6)	All	All	SEP	PSCD-206
133H	High Pressure Regulators	2 (50)	NPT	Cast Iron	CAT I	PSCD-207
133L	Low Pressure Regulators	2 (50)	NPT	Cast Iron	CAT I	PSCD-207
289H-2 and -4	Backpressure Regulator	2 (50)	NPT	Cast Iron	CAT I	PSCD-207
289H-41, -42, and -43	Backpressure Regulator	1 (25)	NPT	Aluminum	SEP	PSCD-206
299H	1-1/2-Inch NPT Pilot Operated Internal Regulator	1 1/2, 2 (40, 50)	NPT	Cast Iron	CAT I	PSCD-207
627 and 627R	Regulator	3/4, 1 (20, 25)	NPT	Ductile Iron	SEP	PSCD-206
627	Regulator	2 (50)	NPT	Steel	CAT II	PSCD-208
64, 64KB, and 64SR	High Pressure Regulators	1/2 (15)	NPT	Aluminum	SEP	PSCD-206
67CD, 67CH, 67CN and 67CW	High Pressure Regulators	1/4 (6)	NPT	Aluminum	SEP	PSCD-206
749B	Change Over Manifold Regulator	1/2 (15)	NPT	Aluminum	SEP	PSCD-206
912, 912H, and 912N	Regulators	1/4 (6)	NPT	Zinc	SEP	PSCD-206
98H	Backpressure Regulator	1/2, 3/4, 1 (15, 20, 25)	NPT	Cast Iron	SEP	PSCD-206
99	LP Gas Regulator	2 (50)	NPT	Cast Iron	CAT I	PSCD-207
61 Pilot		1/4 (6)	All	All	SEP	PSCD-206
C400 and C800 SERIES Including "F" suffixes	Internal Valves	1 1/4, 2, 3, 4 (32, 50, 80, 100)	All	Ductile Iron, Steel, and Stainless Steel	CAT II	PSCD-208
F100, F101, F110, F110A, F130, F138, F170, F173, F173A, F173AW, F181, F183, F186-06-1 and F202	Excess Flow Valves	1 (25) or less	NPT, POL	Brass	SEP	PSCD-206
F102, F105, F106, F107, F131, F132, F133, F134	Excess Flow Valves	1 1/4, 1 1/2, 2 (32, 40, 50)	NPT	Brass	CAT I	PSCD-207
F190 and F191	Excess Flow Valves	2 (50)	NPT	Steel plated	CAT I	PSCD-207
F194, F195, F198, F199	Excess Flow Valves	3 (80)	NPT	Steel plated	CAT II	PSCD-208
G100	Back Check Valves	3/4 (20)	NPT	Brass	SEP	PSCD-206
G101, G102, G105, G109, G112	Back Check Valves	1 1/4, 2 (32, 50)	NPT	Brass, Steel	CAT I	PSCD-207
G104, G106 and G107	Back Check Valves	3 (80)	NPT	Steel plated	CAT II	PSCD-208
G200 Series	Back Check, All Sizes	1 1/4, 2, 3 (32, 50, 80)	NPT	Ductile Iron	CAT II	PSCD-208
HSRL	Second Stage Regulator	3/4, 1 (20, 25)	NPT	Cast Iron	SEP	PSCD-206
H282, H882, H5112 and H8112	Relief Valve, 2-Inch NPT	2 (50)	NPT	Brass, Stainless Steel	CAT IV	PSCD-222
H722, H822	Relief Valve, 2-Inch NPT	2 (50)	NPT	Stainless Steel	CAT IV	PSCD-222
H732, H832	Relief Valve, 3-Inch NPT	3 (80)	NPT	Stainless Steel	CAT IV	PSCD-222
N100A-08-1 and N100A-08-2	Bypass Valve	1 (25) or less	NPT	Ductile Iron	SEP	PSCD-206

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MODEL NUMBER	DESCRIPTION	SIZE, INCHES (DN)	END CONNECTION	BODY MATERIAL	PED CATEGORY	PSCD CODE
N110-06-1 and N110-06-2 N110-08-1 and N110-08-2	Bypass Valve	1 (25) or less	NPT	Ductile Iron	SEP	PSCD-206
N120-06 and N120-08	Back Pressure Valves	1 (25) or less	NPT	Ductile Iron	SEP	PSCD-206
N301-04, -06, -08	Globe Valve	1/2, 3/4, 1 (15, 20, 25)	NPT	Ductile Iron	SEP	PSCD-206
N310-10 through -16	Globe Valve	1 1/4, 1 1/2, 2, (32, 40, 50)	NPT	Ductile Iron	CAT II	PSCD-208
N350-04, N350-06, N450-04, N450-06	Economy Globe or Angle Valve	1/2, 3/4, 1 (15, 20, 25)	NPT	Ductile Iron	SEP	PSCD-206
N401-04, -06, -08	Angle Valve	1/2, 3/4, 1 (15, 20, 25)	NPT	Ductile Iron	SEP	PSCD-206
N410-10 through -16	Angle Valve	1 1/4, 1 1/2, 2 (32, 40, 50)	NPT	Ductile Iron	CAT II	PSCD-208
R110/21	Manifold, 1/4 Flare x 1/4 MNPT	1/4 (6)	NPT	Brass and Aluminum	SEP	PSCD-206
R120/21 and R130-21	Manifold, 1/4 x 1/4 FNPT	1/4 (6)	NPT	Brass and Aluminum	SEP	PSCD-206
R122H	Regulator, First Stage High Pressure	1/4 (6)	NPT	Aluminum	SEP	PSCD-206
R232	Regulator, 2 Stage, 9.5-13-inch WC	1/4 (6)	NPT	Brass and Aluminum	SEP	PSCD-206
R352	Second Stage Regulator	3/4, 1 (20, 25)	NPT	Aluminum	SEP	PSCD-206
R622	Second Stage Regulator	1/2, 3/4 (15, 20)	NPT	Brass and Aluminum	SEP	PSCD-206
R622E	Reg, 2 psi Serv, 1/2 x 1/2-inch Body	1/2, 3/4 (15, 20)	NPT	Brass and Aluminum	SEP	PSCD-206
R622H	First Stage Regulator	1/2, 3/4 (15, 20)	NPT or POL	Brass and Aluminum	SEP	PSCD-206
R632	Integral Two-stage	1/4 (6)	NPT or POL	Brass and Aluminum	SEP	PSCD-206
R652	Second Stage Regulator	3/4 (20)	NPT	Brass and Aluminum	SEP	PSCD-206
R961/21	A.C. REG., R110 and 912	1/4 (6)	NPT	Brass and Aluminum	SEP	PSCD-206
R962/31	A.C. REG., R110 and R622	1/4 (6)	NPT	Brass and Aluminum	SEP	PSCD-206
R966	Changeover Regulator	1/4 (6)	NPT	Brass and Aluminum	SEP	PSCD-206
S202	Regulator	1 1/2, 2 (40, 50)	NPT	Cast Iron	CAT I	PSCD-207

## The Following Products Are Not PED Approved:

1805 Relief Valves  
 630 Regulators  
 D Series Filler Valves  
 H Series Relief Valves Except Those Noted Above  
 J Series Gauges  
 K Series Pigtailes  
 M Series Adaptors

N100A-10, N100A-12, N100-16, and N100-20 Bypass Valves  
 N310-24 and -24F and N410-24, and -24F N456  
 N480 and N481  
 N550 ESV  
 N562 ESV  
 S302G Regulators

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