

ZANDER filter housings of the G series distinguish themselves on one hand by the use of high-quality materials, on the other hand by a well thought-out design of the housing itself.

All housings consist of high-grade chromatised aluminium. Chromatising prevents corrosion. Non chromatised housings deteriorate by producing a roughened surface, which prevents a smooth flow of gas and they produce dangerous particles, which can cause havoc. Even a salt spray test according to DIN50021SS could not damage the ZANDER housing during a 240 hour-period. The outside is coated with a high-grade impact and abrasion-resistant powder-coating.

The housing has only 2 parts. Therefore even larger housings can be opened easily by only one person (no lifting equipment required). The inlet and outlet ports are designed for optimum flow and minimum differential pressure. All housings have a large zone free of flow in the bowl for maximum liquid separation.

Differential pressure gauges, oil indicators and condensate drains in various designs are available as accessories.

Basic technical data:

Model	Connection	Max. working pressure	Volume
G02	G 1/4	16 bar e	0.17 litres
G03	G 1/4	16 bar e	0.5 litres
G05	G 3/8	16 bar e	0.5 litres
G07	G 1/2	16 bar e	0.65 litres
G09	G 3/4	16 bar e	1.6 litres
G11	G 1	16 bar e	2.5 litres
G12	G 1 ½	16 bar e	3.0 litres
G13	G 1 ½	16 bar e	4.5 litres
G14	G 2	16 bar e	6.0 litres
G17	G 2	16 bar e	8.5 litres
G18	G 2 ½	16 bar e ^{*1}	22.0 litres
G19	G 3	16 bar e ^{*2}	23.5 litres

*1: according to PED 97/23/EG for Fluid Group 1 max. 9 bar operating pressure

*2: according to PED 97/23/EG for Fluid Group 1 max. 8 bar operating pressure

Housings are vacuum-resistant up to 0 bar absolute

Capacity:

Model	Nominal ^{*3}
G02	30 m³/h
G03	50 m³/h
G05	70 m³/h
G07	100 m³/h
G09	180 m³/h
G11	300 m³/h
G12	470 m³/h
G13	700 m³/h
G14	940 m³/h
G17	1450 m³/h
G18	1940 m³/h
G19	2400 m³/h

*3: capacity calculated at 1 bar absolute and 20°C at 7 bar working pressure



Filter housings G-series – PN16





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Specification
filter housings
G-series / PN16

Materials used

Housing	Aluminum-alloy, fully chromatised
Threaded rod	Steel, galvanised
Sealing materials	NBR (Perbunan), optional FBM (Viton)
Colouring	Powder-coating RAL3000
Fittings and accessories	Brass, stainless steel, PA (polyamide)

Temperature range

Nominal	+1°C to +120°C
Maximum (short-term)	+1°C to +150°C

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CE mark in accordance with the Pressure Equipment Directive 97/23/EC (PED)

Model	G2	G3	G5	G7	G9	G11	G12	G13	G14	G17	G18	G19
Fluid Group 2	---	---	---	---	---	---	---	CE	CE	CE	CE0525	CE0525
Fluid Group 1	---	---	---	---	CE	CE	CE	CE0525	CE0525	CE0525	CE0525	CE0525

Fluid Groups according to directive 97/23/EG Art.9 Abs. 2 (PED) referring to directive 67/548/EWG.

Documentation: Manufacturer's declaration or Declaration of conformity, Operating manual,

ZANDER QS-Certificate according to PED (97/23/EG Modul H)

Production / quality assurance

Development, manufacture and quality assurance in accordance with DIN EN ISO9001, supplemented by ZANDER's own TQM (Total Quality Management)