

inspired by
technology



The new Flanged Filters (F-Series)

A completely new and improved range of flanged housings
in accordance with the latest pressure regulations

ZANDER informs

ZANDER flange filters are in the forefront of technology, quality and serviceability. Two protective paint coats, AD2000 pressure vessel design, Tie rod element construction, Lower service hatch for easy "one-person" element change out, etc.

New Manufacturing requirements and pressure vessel regulations result in a complete new range of flanged pressure vessel housings in accordance with 97/23/EG (PED).

Product plate and differential pressure gauge are normally fitted on the filter head, which often results in both of them being unreadable. With the new ZANDER range, **they are fitted on the lower end of the bowl**, which means fewer headaches!

Service Friendly. The service hatch on the bottom of the housing bowl **enables one person to change out easily** the filter elements, without having a shower from oily condensate!

The replacement element easily finds the correct position in the head to ensure the correct seal between the clean and dirty side of the filter.

The **Tie Rod Technology** means that the safest method is used to fix the filter element to the housing and ensure an excellent seal between the clean and dirty sides.

ZANDER filters, using the Tie Rod technology, allow the safest working conditions from the smallest to largest filter.

ZANDER filter elements using **ADVANCED Technology** offers the highest separation performance and flow rates with the lowest pressure differentials. This means high efficiency coupled with huge energy savings.

10 year guarantee on all ZANDER filter housings. Your assurance of a trouble free filtration system.

Useful accessories such as differential pressure monitors and alarms, and electronic condensate drains are available.



Type	Nominal flow (m ³ /h)*	Connection (DN)	Dimensions [mm]				Max. pressure (bar)	Weight [kg]	Filter element (No. and type)
			A	B	C	D			
F17	1,850	DN 80	380	1,280	175	530	16	52.0	1/3075
F19	2,920	DN 80	440	1,320	205	530	16	75.0	1/5075
F20	3,700	DN 100	500	1,440	230	550	16	106.0	2/3075
F30	5,550	DN 100	500	1,440	230	550	16	106.5	3/3075
F40	7,400	DN 150	640	1,590	280	550	16	148.0	4/3075
F60	11,100	DN 150	790	1,650	300	550	16	208.0	6/3075
F80	14,800	DN 200	790	1,730	340	550	16	230.0	8/3075
F100	18,500	DN 200	840	1,780	360	550	16	366.0	10/3075
F120	22,200	DN 250	940	1,940	420	600	16	450.0	12/3075
F160	29,600	DN 250	940	1,940	420	600	16	460.0	16/3075
F200	37,000	DN 300	940	1,970	420	600	16	520.0	20/3075

* calculated at 1 bar a and 20°C at 7 bar working pressure

Nominal differential pressures, filtration efficiency and residual oil content in clean and new condition.

Filter elements

Series V	- 0.02 bar (dry)	- 0.07 bar (wetted out)	- 99.99% (3μ)	
Series ZP	- 0.03 bar (dry)	- 0.10 bar (wetted out)	- 99.9999% (1μ)	- ≤ 0.5 mg/m ³ (1 bar (abs.), 20°C)
Series XP	- 0.06 bar (dry)	- 0.15 bar (wetted out)	- 99.99999% (0,01μ)	- ≤ 0.01 mg/m ³ (1 bar (abs.), 20°C)
Series XP4	- 0.12 bar (dry)	- 0.28 bar (wetted out)	- ≥ 99.99999% (0,01μ)	- ≤ 0.001 mg/m ³ (1 bar (abs.), 20°C)
Series A	- 0.03 bar (dry)	- ≤ 0.003 mg/m ³ (1 bar (abs.), 20°C)	at an inlet concentration of ≤ 0.01 mg/m ³	

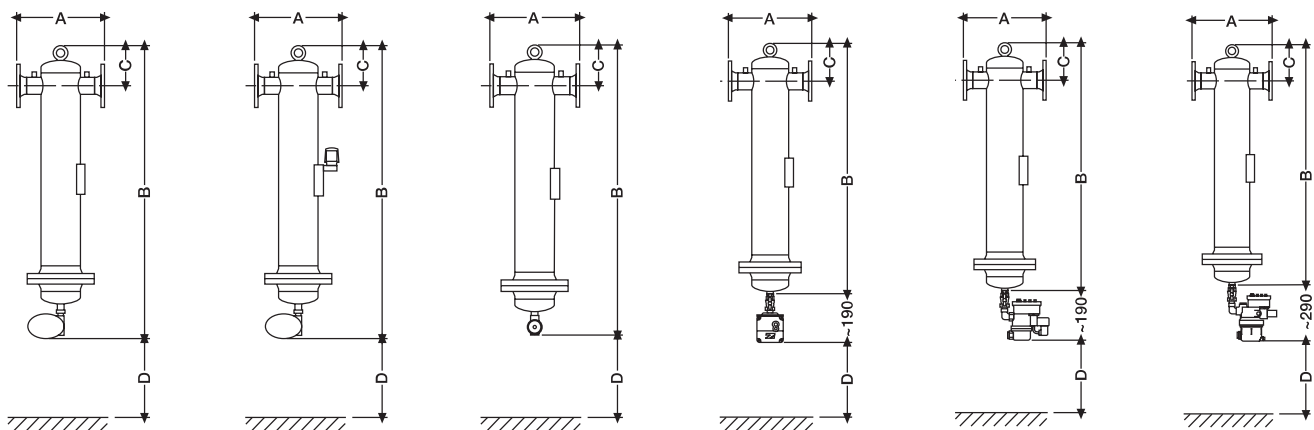
f factor for calculating flow rates at different working pressures**

Operating pressure

in bar e	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
f =	0.25	0.38	0.50	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13

** calculated at a constant flow velocity at 20°C

Dimensions



F17_ - F200_

F17_D/E - F200_D/E

F17A - F200A

F20+LS11

F20 - F40 + ED2010

F60 - F200 + ED2020

We are constantly updating our product so we cannot be responsible for manufacturing and dimension changes.



ZANDER Aufbereitungstechnik GmbH
 Im Teelbruch 118 · D-45219 Essen
 Postfach 185524 · D-45205 Essen
 Telefon (0 20 54) 9 34-0
 Telefax (0 20 54) 9 34-164
 www.zander.de