



PRODUCT DESCRIPTION

This filter housing range is designed for the purification of fluids of media group 1 (hazardous media) according to PED 2014/68/EU. It is applicable in even explosion hazard ATEX zones 1 and 2.

With the corrosion resistant stainless steel housing material, operating pressures up to 25 bar and temperatures from -20°C up to 120°C this filter range is suitable for several gas applications.

Typical applications are the coalescing and particulate filtration as well as oil vapor adsorption on activated carbon for bio-methane, natural gas and hydrogen as examples. Due to the flow-optimized housing and filter element design this filter range is offering high retention efficiencies at low differential pressure even at high flow rates.

Donaldson offers for this filter housing range a portfolio of different filter element grades for specific applications, including those with conductivity.

MAIN FEATURES & BENEFITS

- **Stainless steel housing material**
Corrosion resistant material for safe operation and long lifetime
- **Designed for 25 bar operating pressure and -20°C / +120°C operating temperature**
Suitable in a wide range of gas applications in different industries
- **Designed for ATEX zones 1 + 2**
Special design including earthing connections and conductive materials to support safe operation in explosion hazard environments
- **Flange connections**
Flange connection at inlet and outlet as well as on housing head and bowl ensure proper sealing to avoid gas leakages for safe operation.
- **Filter element design and performance**
Donaldson Ultrafilter thread connections (sizes 0048-0072) and push-in connection with tie rod (up from size 0108) fixing ensures proper fitting of elements in the housing to achieve best filter performance at low differential pressure.

INDUSTRIES



- Industrial Gases



- Energy & Power Generation



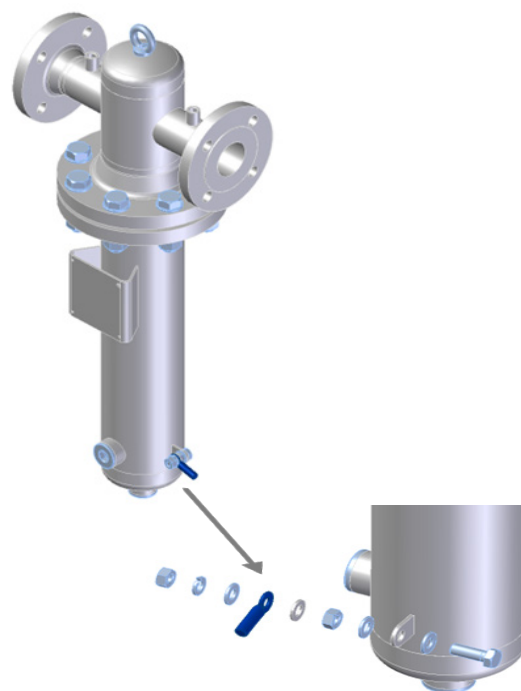
- Chemical Industry



- Oil & Gas Industry

PRODUCT DESCRIPTION

Technical data	
Allowable operating pressure	25 bar
Test pressure	37.7 bar
Allowable operating temperature	-20°C / +120°C
Housing material	1.4301 / 1.4541
Material accessory parts	1.4301
Surface treatment	Pickled and passivated
Fluids PED 2014/86/EU	Group 1
Marking	 II 2G IIC T4 Gb

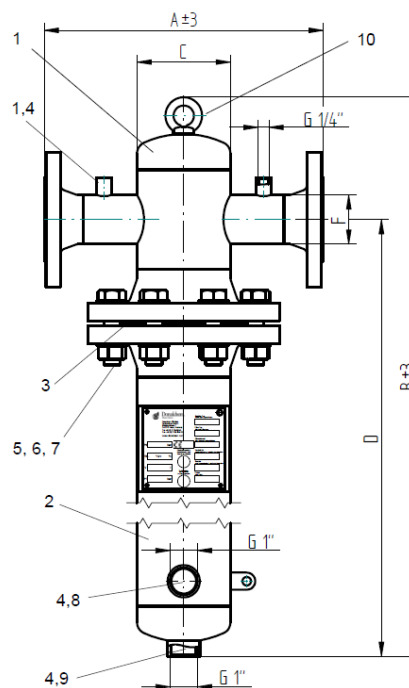


PRODUCT SPECIFICATION

Features	Benefits
Stainless steel housing material	Corrosion resistant material for safe operation, long lifetime and conductivity to fulfil ATEX requirements
Approved design for gases of fluid group 1 (hazardous fluids) and explosion hazard environment (ATEX zone 1 and 2) as well as corrosive fluids	Wide range of gas purification applications for e.g. bio-methane, natural gas, hydrogen, wet carbon dioxide and other gases
25 bar design pressure / from -20°C to +120°C design temperature	Indoor and outdoor application possible; even applicable in high temperature applications
Flange connection with soft sealing	Leakage proof design for safe operation
Earthing point and connectors included	Quick and easy execution of earthing requirements in the application
Sockets for condensate level control (from size 0108) and condensate drain included	Easy adaption to condensate drain systems
Filter element portfolio	Full range of coalescence, particulate and activated carbon filters for gas applications available

MATERIALS / DIMENSIONS

Components	
1	Housing head
2	Housing bowl
3	Flat seal
4	Plug
5	Hexagon screw
6	Washer
7	Hexagon nut
8	Socket (condensate level control – from size 0108)
9	Socket (condensate drain)
10	Lifting lug
11	Differential pressure measurement



Housing Size	Element Size	Volume l	Flange F	A mm	B mm	C mm	D mm
0048	07/30	4.3	DN40 / PN40	335	505	114.3	363
0072	10/30	5.4	DN50 / PN40	341	586	114.3	437
0108	15/30	7.5	DN50 / PN40	341	804	114.3	655
0144	20/30	9.3	DN65 / PN40	349	935	114.3	786
0192	30/30	18.1	DN80 / PN40	386	1205	139.7	1041
0288	30/50	25.7	DN80 / PN40	415	1264	168.3	1072
0432	3x 20/30	36.6	DN100 / PN40	480	1069	219.1	865
0576	3x 30/30	45.5	DN100 / PN40	480	1345	219.1	1185
0768	4x 30/30	81	DN150 / PN40	580	1456	273	1188

For more information please contact your Donaldson Sales Representative and visit our website at www.donaldson.com.



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