

# FILTER ELEMENT – ODO process

(Particulate)

## DESCRIPTION

ODO process filter elements have been developed for high efficient removal of solid particles from compressed air<sup>(1)</sup>. They fit in into Donaldson - Ultrafilter housings.

## APPLICATIONS<sup>(1)</sup>

- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Process industry

<sup>(1)</sup>For other technical gasses, liquids or steam please contact us or your local dealer.

<sup>(2)</sup>ODO grade filter element can be used in variety of applications. For applications not listed please contact us or your local dealer.

## FILTER ELEMENT RATING ACCORDING TO ISO8573-1

	Solid particles	Water	Oil
P-SM (25µm)	-	-	-
P-SM (5µm)	-	-	-
P-GS (20µm)	-	-	-
P-GS (1µm)	-	-	-

## TECHNICAL SPECIFICATION

Filtration grade name	P-SM (25µm)	P-SM (5µm)	P-GS (20µm)	P-GS (1µm)
Operating temperature			0 – 150 °C / 32 - 302 °F	
Operating pressure			0 – 16 bar(g) / 0 – 232 psi	
Solid particle size purification (nominal)	25µm	5µm	20µm	1µm
Differential pressure (dry)	10 mbar 0,15 psi	10 mbar 0,15 psi	60 mbar 0,870 psi	60 mbar 0,870 psi

## MATERIALS

	P-SM (5; 25µm)	P-GS (1; 20µm)	P-GS/VE (1; 20µm)
Filter media	Stainless steel mesh	Sintered INOX 1.4404	Sintered INOX 1.4404
Support (inner-outer)	Stainless Steel 1.4301	/	/
Bonding	Epoxy base liquid metal	Epoxy base liquid metal	Welding
Endcaps	Stainless steel	Stainless steel	Stainless steel
Sealing	Viton*	Viton*	Viton*
Sealing on request	NBR, EPDM, Silicone	/	/

\*Viton is a registered trademark of DuPont Performance Elastomers L.L.C.

**SIZES**

FILTER ELEMENT SIZE	DIMENSIONS [mm]	FITS INTO FILTER HOUSING
ODO 0205	Ø=35; h=62	0002
ODO 0305	Ø=35; h=76	0004
ODO 0310	Ø=42; h=76	0006
ODO 0410	Ø=42; h=104	0009
ODO 0420	Ø=52; h=104	0012
ODO 0520	Ø=52; h=128	0018
ODO 0525	Ø=62; h=128	0027
ODO 0725	Ø=62; h=180	0036
ODO 0730	Ø=86; h=180	0048
ODO 1030	Ø=86; h=254	0072
ODO 1530	Ø=86; h=381	0108
ODO 2030	Ø=86; h=508	0144
ODO 3030	Ø=86; h=760	0192
ODO 3050	Ø=140; h=760	0288

Ø=Diameter;h=Height

**MAINTENANCE**

SPFn filter element can be cleaned with ultrasonic bath or with back flushing. Intervals of cleaning depend on application. If necessary replace filter element with new one.

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