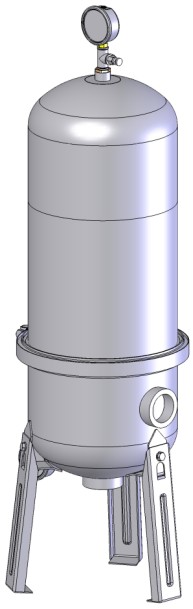
FILTER BOX

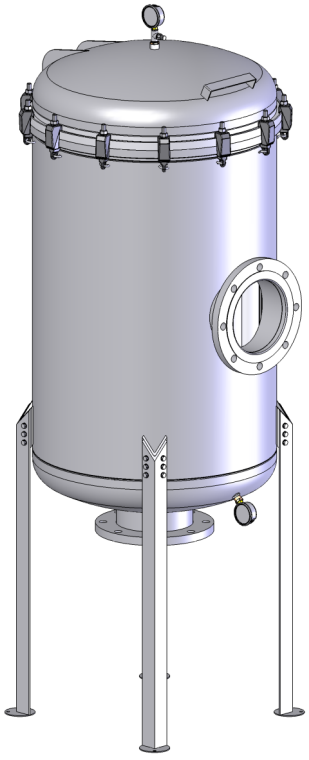
CONTENITORI IN ACCIAIO PER CARTUCCE FILTRANTI

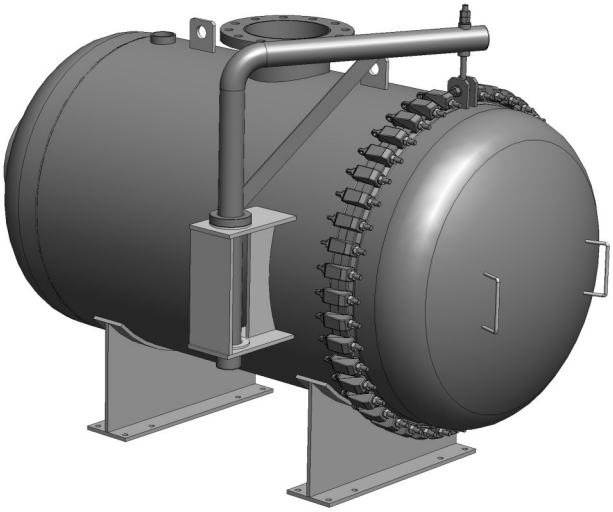
STAINLESS STEEL CONTAINERS FOR FILTERING CARTRIDGES

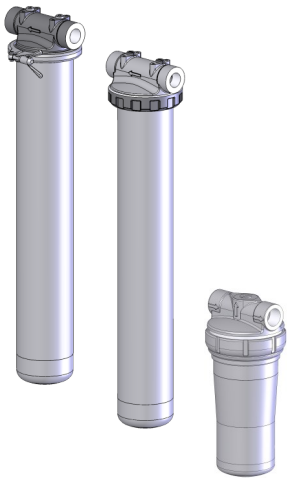
ROSTFREIER EDELSTAHL FÜR FILTER PATRONEN

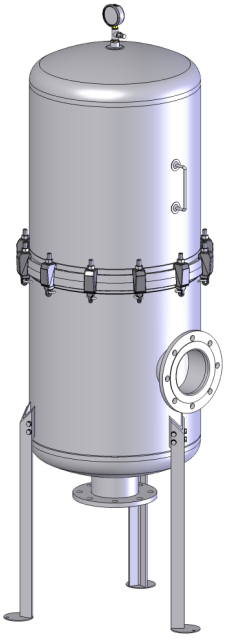
Sound Engineering Practice (Article 4 paragraph 3 of Pressure Equipment Directive “PED”n° 2014/68/UE):
- fluids of group 2 (liquids)
- maximum working temperature 80°C











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FILTER BOX for DOE CARTRIDGES

MODELLO MODELS MODELL	MATERIALE MATERIAL	p (1)	DIMENSIONI / DIMENSIONS / MAßANGABEN mm								C (2)	ATTACCHI CONNECTIONS ANSCHLÜSSE			Q (3) (4)	W (5)
		Bar	A	B	C	D	E	F	G	H	N.	IN	OUT	DRAIN	Mc/h	Kg
SMALL 10-3/4 SS316	SS316	15	135	340							1 x 10”	3/4”	3/4”	1/4”	3,5	2,7
SMALL 20-3/4 SS316	SS316	15	135	600							1 x 20”	3/4”	3/4”	1/4”	3,5	3,9
SMALL 30-3/4 SS316	SS316	15	135	872							1 x 30”	3/4”	3/4”	1/4”	3,5	5,1
SMALL 40-3/4 SS316	SS316	15	135	1125							1 x 40”	3/4”	3/4”	1/4”	3,5	6,3
SMALL 10-1 SS316	SS316	15	135	340							1 x 10”	1”	1”	1/4”	3,5	2,7
SMALL 20-1 SS316	SS316	15	135	600							1 x 20”	1”	1”	1/4”	3,5	3,9
SMALL 30-1 SS316	SS316	15	135	872							1 x 30”	1”	1”	1/4”	3,5	5,1
SMALL 40-1 SS316	SS316	15	135	1125							1 x 40”	1”	1”	1/4”	3,5	6,3
SMALL 10-3/4 OS-DIN SS316	SS316	15	135	384							1 x 10”	3/4”	3/4”	1/2”	3,5	2,7
SMALL 20-3/4 OS-DIN SS316	SS316	15	135	634							1 x 20”	3/4”	3/4”	1/2”	3,5	3,9
SMALL 30-3/4 OS-DIN SS316	SS316	15	135	889							1 x 30”	3/4”	3/4”	1/2”	3,5	5,1
SMALL 40-3/4 OS-DIN SS316	SS316	15	135	1139							1 x 40”	3/4”	3/4”	1/2”	3,5	6,3
SMALL 10-1 OS-DIN SS316	SS316	15	135	384							1 x 10”	1”	1”	1/2”	3,5	2,7
SMALL 20-1 OS-DIN SS316	SS316	15	135	634							1 x 20”	1”	1”	1/2”	3,5	3,9
SMALL 30-1 OS-DIN SS316	SS316	15	135	889							1 x 30”	1”	1”	1/2”	3,5	5,1
SMALL 40-1 OS-DIN SS316	SS316	15	135	1139							1 x 40”	1”	1”	1/2”	3,5	6,3
SMALL 05-1/2 OT58	SS304 - OT58	15	83	195							1 x 5”	1/2”	1/2”	1/4”	3,5	1,3
SMALL 10-3/4 OT58	SS304 - OT58	15	135	338							1 x 10”	3/4”	3/4”	1/4”	3,5	3,0
SMALL 20-3/4 OT58	SS304 - OT58	15	135	598							1 x 20”	3/4”	3/4”	1/4”	3,5	4,2
SMALL 30-3/4 OT58	SS304 - OT58	15	135	870							1 x 30”	3/4”	3/4”	1/4”	3,5	5,5
SMALL 40-3/4 OT58	SS304 - OT58	15	135	1123							1 x 40”	3/4”	3/4”	1/4”	3,5	6,7
SMALL 10-1 OT58	SS304 - OT58	15	135	338							1 x 10”	1”	1”	1/4”	3,5	3,0
SMALL 20-1 OT58	SS304 - OT58	15	135	598							1 x 20”	1”	1”	1/4”	3,5	4,2
SMALL 30-1 OT58	SS304 - OT58	15	135	870							1 x 30”	1”	1”	1/4”	3,5	5,5
SMALL 40-1 OT58	SS304 - OT58	15	135	1123							1 x 40”	1”	1”	1/4”	3,5	6,7
MINI 168	SS304 / 316	8	200	587	355	195	291	455			3 x 10”	1” 1/2	1” 1/2	3/4”	13	7,5
MIDI 168	SS304 / 316	8	200	857	355	195	291	455			3 x 20”	1” 1/2	1” 1/2	3/4”	13	10,5
MAXI 168	SS304 / 316	8	200	1157	505	195	291	755			3 x 30”	1” 1/2	1” 1/2	3/4”	13	13
SUPER MAXI 168	SS304 / 316	8	200	1357	505	195	291	755			3 x 40”	1” 1/2	1” 1/2	3/4”	13	15
MINI 250	SS304 / 316	8	320	659	340	177	310	420			7 x 10”	2”	2”	1”	30	11,5
MIDI 250	SS304 / 316	8	320	909	340	177	310	420			7 x 20”	2”	2”	1”	30	15
MAXI 250	SS304 / 316	8	320	1159	340	177	310	420			7 x 30”	2”	2”	1”	30	18,5
SUPER MAXI 250	SS304 / 316	8	320	1409	535	177	310	670			7 x 40”	3”	3”	1”	30	22
MINI 292	SS304 / 316	8	365	709	435	175	350	570			12 x 10”	3”	3”	1”	50	18
MIDI 292	SS304 / 316	8	365	959	435	175	350	570			12 x 20”	3”	3”	1”	50	23
MAXI 292	SS304 / 316	8	365	1209	435	175	350	570			12 x 30”	3”	3”	1”	50	27
SUPER MAXI 292	SS304 / 316	8	365	1459	660	175	350	820			12 x 40”	3”	3”	1”	50	31
MINI 350	SS304 / 316	8	231	875	600	300	520	727			18 x 10”	DN100	DN100	1”	80	33
MIDI 350	SS304 / 316	8	231	1105	600	300	520	727			18 x 20”	DN100	DN100	1”	80	39

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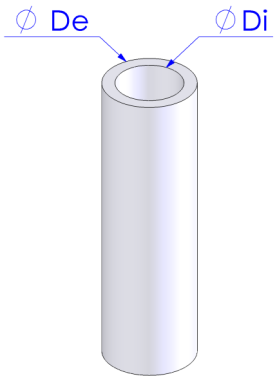
Tutti i dati riportati possono subire variazioni.
All the described data may undergo changes.
Alle Angaben können einige Variationen erfahren.

FILTER BOX for DOE CARTRIDGES

MODELLO MODELS MODELL	MATERIALE MATERIAL	p [1]	DIMENSIONI / DIMENSIONS / MAßANGABEN mm								C [2]	ATTACCHI CONNECTIONS ANSCHLÜSSE			Q [3] [4]	W [5]
		Bar	A	B	C	D	E	F	G	H	N.	IN	OUT	DRAIN	Mc/h	Kg
MAXI 350	SS304 / 316	8	231	1355	600	300	520	727			18 x 30”	DN100	DN100	1”	80	45
SUPER MAXI 350	SS304 / 316	8	231	1605	724	300	520	982			18 x 40”	DN100	DN100	1”	80	49
MINI 400	SS304 / 316	8	274	982	674	386	592	838			24 x 10”	DN100	DN100	1”	105	54
MIDI 400	SS304 / 316	8	274	1233	674	386	592	838			24 x 20”	DN100	DN100	1”	105	67
MAXI 400	SS304 / 316	8	274	1483	674	386	592	838			24 x 30”	DN100	DN100	1”	105	77
SUPER MAXI 400	SS304 / 316	8	274	1731	1049	386	592	1587	2022	739	24 x 40”	DN100	DN100	1”	105	86
MINI 450	SS304 / 316	8	300	990	672	370	590	836			27 x 10”	DN125	DN125	1”	120	67
MIDI 450	SS304 / 316	8	300	1241	672	370	590	836			27 x 20”	DN125	DN125	1”	120	80
MAXI 450	SS304 / 316	8	300	1491	672	370	590	836			27 x 30”	DN125	DN125	1”	120	92
SUPER MAXI 450	SS304 / 316	8	300	1741	1047	370	590	1586	2021	758	27 x 40”	DN125	DN125	1”	120	102
MIDI 508	SS304 / 316	8	327	1255	797	350	590	1085			36 x 20”	DN125	DN125	1”	150	96
MAXI 508	SS304 / 316	8	327	1505	797	350	590	1085			36 x 30”	DN125	DN125	1”	150	110
SUPER MAXI 508	SS304 / 316	8	327	1758	1050	350	590	1588	2082	867	36 x 40”	DN125	DN125	1”	150	122
MIDI 550	SS304 / 316	8	357	1371	895	424	685	1183			40 x 20”	DN150	DN150	1”	210	131
MAXI 550	SS304 / 316	8	357	1621	895	424	685	1183			40 x 30”	DN150	DN150	1”	210	148
SUPER MAXI 550	SS304 / 316	8	357	1871	1145	424	685	1683	2238	918	40 x 40”	DN150	DN150	1”	210	165
SUPER MAXI 600	SS316	8	376	1827	1126	437	691	1640	2234	973	47 x 40”	DN150	DN150	1”	210	180
SUPER MAXI 650	SS316	8	440	2014	1279	523	819	1817	2544	1042	52 x 40”	DN200	DN200	1”	234	195
SUPER MAXI 700 DN150	SS316	8	441	2034	1289	548	829	1827	2520	1072	62 x 40”	DN150	DN150	1”	210	200
SUPER MAXI 700 DN200	SS316	8	441	2034	1289	548	829	1827	2520	1072	62 x 40”	DN200	DN200	1”	280	205
SUPER MAXI 800	SS316	8	500	2018	1274	538	839	1787	2590	1197	90 x 40”	DN200	DN200	1”	410	295
SUPER MAXI 900	SS316	8	581	2289	1529	676	1094	2043	2931	1361	113 x 40”	DN250	DN250	1”	495	359
SUPER MAXI 1000	SS316	8	595	2446	1555	735	1125	2130	3073	1563	131 x 40”	DN250	DN250	1”	570	500
SUPER MAXI 1100	SS316	8	700	2184	1380	651	945	1894	2987	1623	144 x 40”	DN250	DN250	1”	655	557
SUPER MAXI 1250	SS316	8	775	2244	1406	677	971	1920	3163	1788	185 x 40”	DN300	DN300	1”	810	585
SUPER MAXI 1300	SS316	8	800	2185	1342	638	907	1856	3149	1866	210 x 40”	DN300	DN300	1”	900	620

[1] Pressione max / Pressure max / Druck max
[2] Cartucce / Cartridges / Patronen
[3] Portata / Flow Rate / Belastung
[4] Portata senza cartucce. / Flow delivery without cartridges. / Durchfluss ohne patronen. Δp 0,2 Bar
[5] Peso / Weight / Gewicht

Dimensioni / Dimentions	
D_e	2” 1/2 (63,5 mm)
D_i	28 mm



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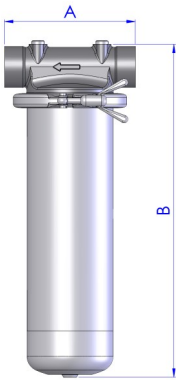
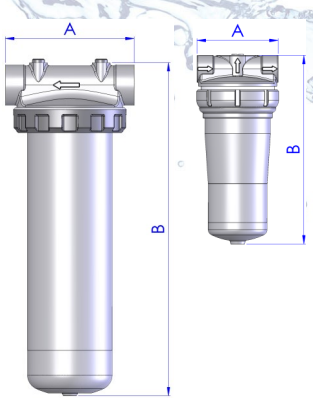
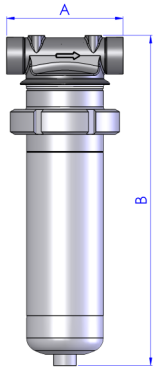
FILTER BOX for DOE CARTRIDGES



SMALL…SS316



SMALL...OT58



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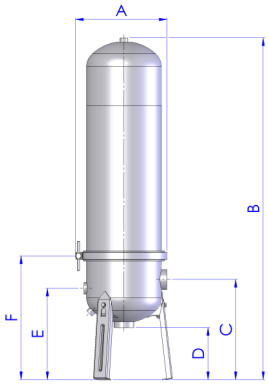
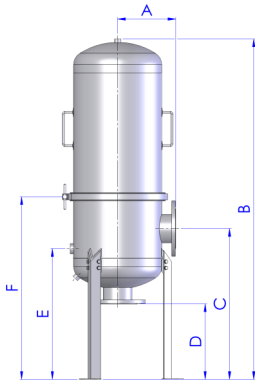


168 - 250 - 292



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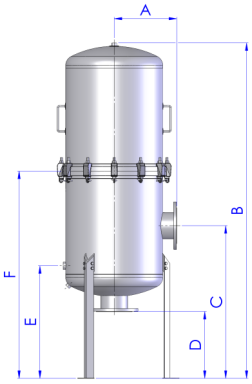
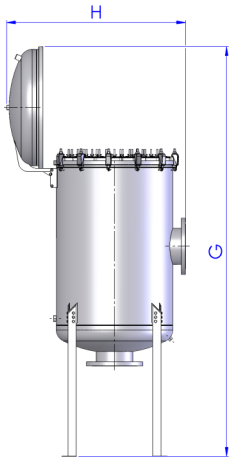
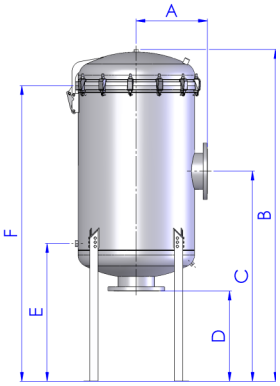
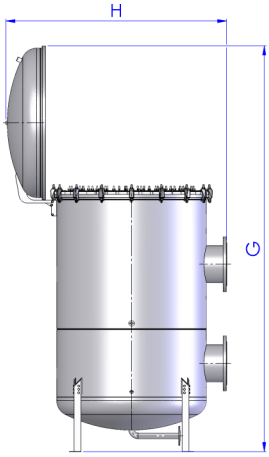


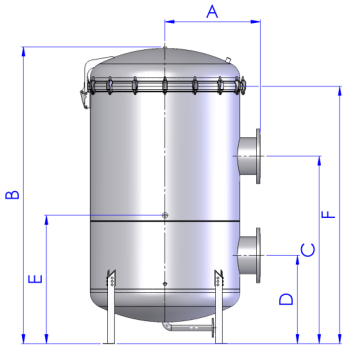
400 - 450 - 508 - 550





Top Opening super maxi 400 - ... - 1000





Top Opening super maxi 1100 - 1250 - 1300

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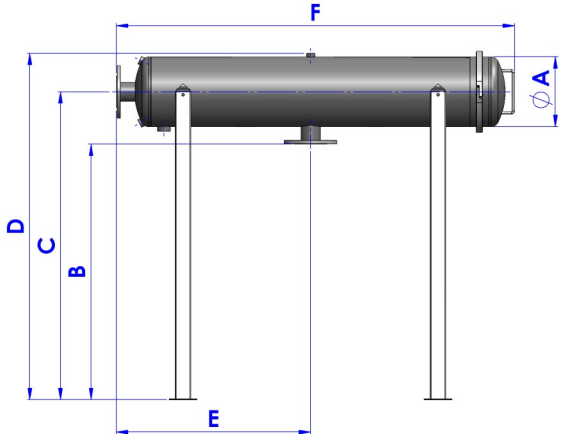
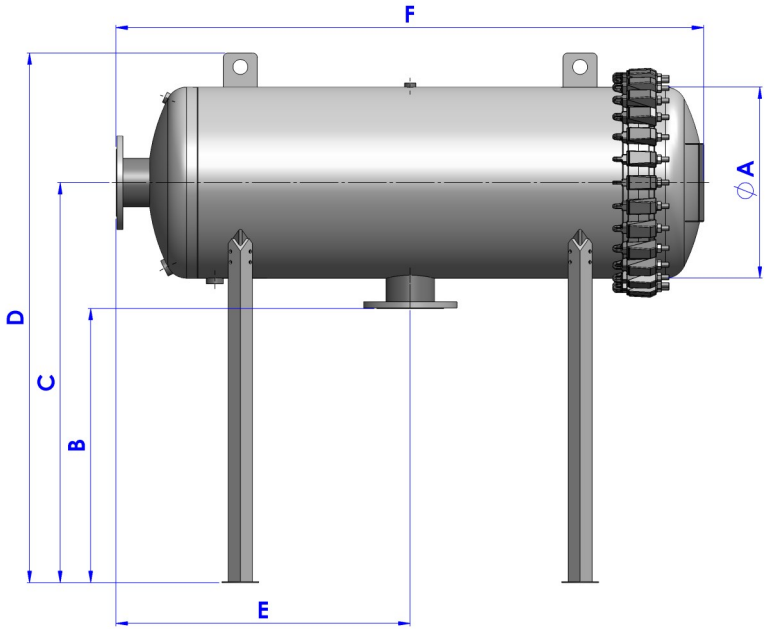
FILTER BOX HORIZONTAL for HIGH FLOW FILTER CARTRIDGES

MODELLO MODELS	M. (6)	p (1)	DIMENSIONI / DIMENSIONS mm						C (2)	ATTACCHI CONNECTIONS				Q (3) (4)	W (5)
		Bar	A	B	C	D	E	F	N.	IN	OUT	VENTIL	DRAIN	M³/h	Kg
SMAXI 219 HF SS316 DN50 1x40" HOR	SS316	10	219	804	966	1087	609	1138	1 x 40"	DN50	DN50	1/2"	1"	50	35
SMAXI 219 HF SS316 DN65 1x40" HOR	SS316	10	219	804	966	1087	609	1138	1 x 40"	DN65	DN65	1/2"	1"	60	37
SMAXI 450 HF SS316 DN80 4x40" HOR	SS316	10	450	645	942	1247	693	1384	4 x 40"	DN80	DN80	1/2"	1"	60	132
SMAXI 450 HF SS316 DN100 4x40" HOR	SS316	10	450	645	942	1247	693	1384	4 x 40"	DN100	DN100	1/2"	1"	80	135
SMAXI 450 HF SS316 DN150 4x40" HOR	SS316	10	450	645	942	1247	693	1384	4 x 40"	DN150	DN150	1/2"	1"	100	139
SMAXI 600 HF SS316 DN150 7x40" HOR	SS316	10	600	659	1032	1412	732	1458	7 x 40"	DN150	DN150	1/2"	1"	100	220
SMAXI 600 HF SS316 DN200 7x40" HOR	SS316	10	600	659	1032	1412	732	1458	7 x 40"	DN200	DN200	1/2"	1"	150	231
SMAXI 600 HF SS316 DN250 7x40" HOR	SS316	10	600	659	1032	1412	732	1458	7 x 40"	DN250	DN250	1/2"	1"	200	245

(1) Pressione max / Pressure max / Druck max
(2) Cartucce / Cartridges / Patronen
(3) Portata / Flow Rate / Belastung
(4) Portata senza cartucce. / Flow delivery without cartridges. / Durchfluss ohne patronen. Δp 0,2 Bar
(5) Peso / Weight / Gewicht
(6) Materiale / Material



Super maxi 219



Super maxi 450 - 600

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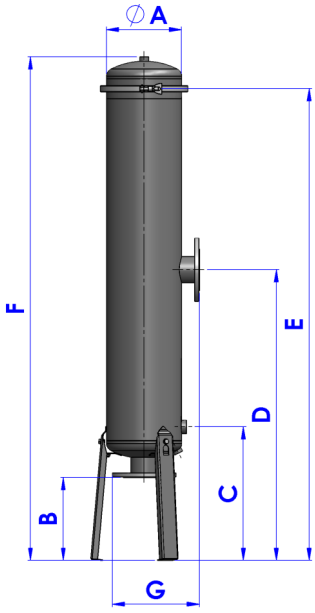
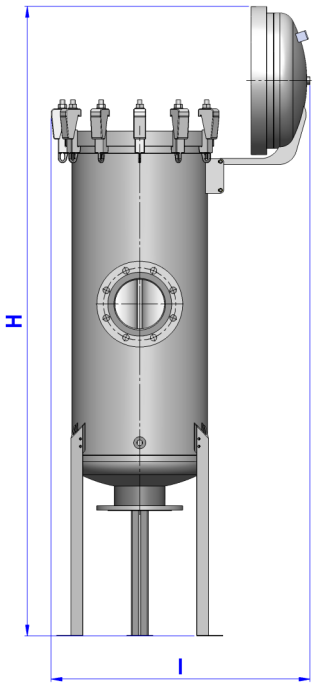
FILTER BOX VERTICAL for HIGH FLOW FILTER CARTRIDGES

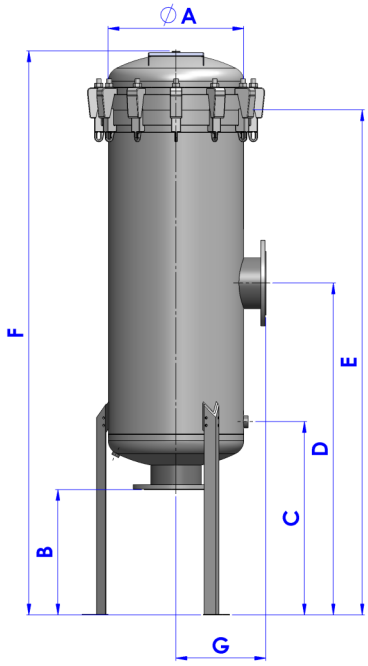
MODELLO MODELS	M. (6)	p (1)	DIMENSIONI / DIMENSIONS mm									C (2)	ATTACCHI CONNECTIONS				Q (3) (4)	W (5)
		Bar	A	B	C	D	E	F	G	H	I	N.	IN	OUT	V (7)	D (8)	M^3/h	Kg
SMAXI 219 HF SS316 DN50 1x40" VRT	SS316	10	219	242	391	851	1380	1474	254	-	-	1 x 40"	DN50	DN50	1/2"	1"	50	28
SMAXI 219 HF SS316 DN65 1x40" VRT	SS316	10	219	242	391	851	1380	1474	254	-	-	1 x 40"	DN65	DN65	1/2"	1"	60	30
SMAXI 450 HF SS316 DN80 4x40" VRT	SS316	10	450	416	642	1102	1677	1872	298	2089	859	4 x 40"	DN80	DN80	1/2"	1"	60	124
SMAXI 450 HF SS316 DN100 4x40" VRT	SS316	10	450	416	642	1102	1677	1872	298	2089	859	4 x 40"	DN100	DN100	1/2"	1"	80	126
SMAXI 450 HF SS316 DN150 4x40" VRT	SS316	10	450	416	642	1102	1677	1872	298	2089	859	4 x 40"	DN150	DN150	1/2"	1"	100	130
SMAXI 600 HF SS316 DN150 7x40" VRT	SS316	10	600	667	958	1418	1993	2227	410	2555	1047	7 x 40"	DN150	DN150	1/2"	1"	100	230
SMAXI 600 HF SS316 DN200 7x40" VRT	SS316	10	600	667	958	1418	1993	2227	410	2555	1047	7 x 40"	DN200	DN200	1/2"	1"	150	241
SMAXI 600 HF SS316 DN250 7x40" VRT	SS316	10	600	667	958	1418	1993	2227	410	2555	1047	7 x 40"	DN250	DN250	1/2"	1"	200	255

(1) Pressione max / Pressure max / Druck max
(2) Cartucce / Cartridges / Patronen
(3) Portata / Flow Rate / Belastung
(4) Portata senza cartucce. / Flow delivery without cartridges. / Durchfluss ohne patronen. Δp 0,2 Bar
(5) Peso / Weight / Gewicht
(6) Materiale / Material
(7) Scarico / Drain
(8) Sfiato / Ventil



Super maxi 219





Super maxi 450 - 600

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Alle Angaben können einige Variationen erfahren.

HF 7000 Series High Flow Filter Cartridge

Features

- High flow capability of up to 500gpm per cartridge
- Patent pending compound radial pleat design
- Ergonomically designed handle- facilitates easy cartridge installation and removal
- "Twist to lock" seating mechanism provides positive seal
- Compatible in application requiring direct food contact in food and beverage processing per 21CFR.

Specification

- Material: 100% polypropylene meltblown micro fiber
- Micron Rating: 0.5, 1, 2, 5, 10, 25, 40, 70 Micron
- Length:20" ,40" ,60"
- Inner diameter/ Outer diameter: 76 mm / 165 mm

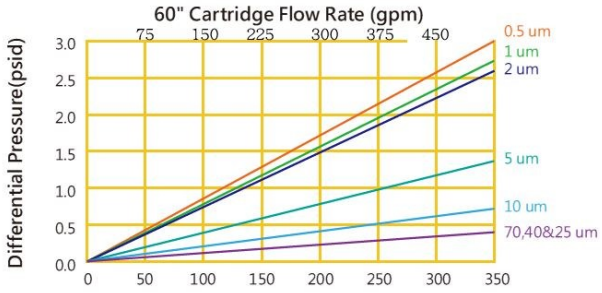
Operation Conditions

- Max. operating pressure drop: 30°C : 3.5 kg/cm² - Recommended changeout pressure drop: 2.5 kg/cm²
- Max. operating temperature: 80°C

Application

- Amine Sweetening
- Aqueous Salt Solution
- Boiler Condensate
- Collant
- Quench Water
- Completion Fluids
- Pharmaceutical
- Food and Beverage
- RO Prefiltration

Initial Pressure Drop



Product Code

HF – 7 – 4 – 05 – S – E

Length	Micron Rating	Ending Cap	Gasket
2: 20" 4: 40" 6: 60" *Customized Length (mm)	0.5: 0.5um 01: 1um 02: 2um 05: 5um 10: 10um 25: 25um 40: 40um 70: 70 um	S : 3" (with Fin)	No symbol: No Gasket A : EVA E : EPDM N : Buna N S : Silicone V : Viton T : Teflon Encapsluated Viton

Suggested equivalent products
■CUNO High Flow Filter

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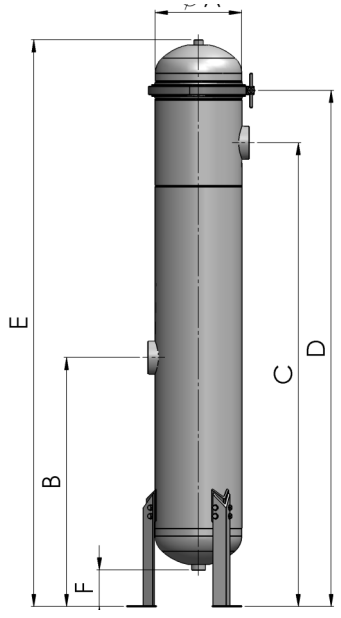
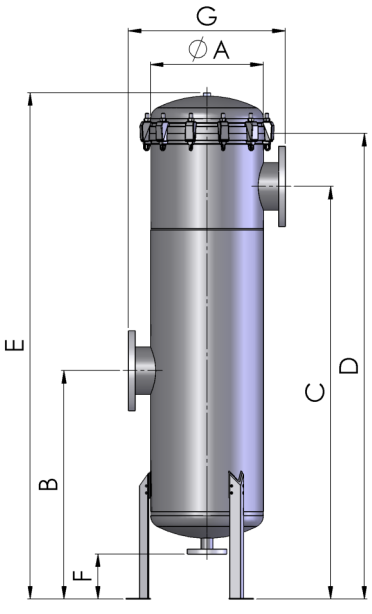
FILTER BOX for MULTI-FLOW FILTER CARTRIDGES

MODELLO MODELS	M. (6)	p (1)	DIMENSIONI / DIMENSIONS mm									C (2)	ATTACCHI CONNECTIONS				Q (3) (4)	W (5)
		Bar	A	B	C	D	E	F	G	H	I	N.	IN	OUT	V (7)	D (8)	M^3/h	Kg
SMAXI 250 MFC SS316 3" 1x40"	SS316	8	253	729	1358	1511	1659	107	-	-	-	1 x 40"	3"	3"	1/2"	1"	50	35
SMAXI 400 MFC SS316 DN150 3x40"	SS316	8	400	811	1465	1653	1797	160	556	-	-	3 x 40"	DN150	DN150	1/2"	DN32	150	105
SMAXI 450 MFC SS316 DN200 4x40"	SS316	8	457	862	1526	1724	1875	160	694	-	-	4 x 40"	DN200	DN200	1/2"	DN32	200	135
SMAXI 550 MFC SS316 DN200 6x40"	SS316	8	550	890	1594	1832	2014	160	791	-	-	6 x 40"	DN200	DN200	1/2"	DN32	300	200
SMAXI 650 MFC SS316 DN200 8x40"	SS316	8	650	904	1608	1846	2043	160	864	2482	971	8 x 40"	DN250	DN250	1/2"	DN32	400	220
SMAXI 700 MFC SS316 DN250 9x40"	SS316	8	700	918	1672	1960	2177	160	936	2646	1042	9 x 40"	DN250	DN250	1/2"	DN32	450	285
SMAXI 750 MFC SS316 DN250 12x40"	SS316	8	750	915	1669	1958	2187	160	986	2695	1105	12 x 40"	DN250	DN250	1/2"	DN32	600	360
SMAXI 800 MFC SS316 DN250 13x40"	SS316	8	800	922	1676	1964	2195	160	1041	2767	1141	13 x 40"	DN250	DN250	1/2"	DN32	650	365
SMAXI 900 MFC SS316 DN300 16x40"	SS316	8	900	926	1730	2105	2402	160	1203	2957	1382	16 x 40"	DN300	DN300	1/2"	DN32	800	615
SMAXI 1000 MFCSS316DN350 20x40"	SS316	8	1000	1000	1804	2179	2509	160	1413	3137	1515	20 x 40"	DN350	DN350	1/2"	DN32	850	850
SMAXI 1100 MFCSS316DN350 23x40"	SS316	8	1100	1019	1823	2198	2547	160	1500	3241	1653	23 x 40"	DN400	DN400	1/2"	DN32	1150	980
SMAXI 1150 MFCSS316DN400 25x40"	SS316	8	1150	1029	1883	2308	2667	160	1510	3417	1692	25 x 40"	DN400	DN400	1/2"	DN32	1250	1060
SMAXI 1200 MFCSS316DN350 28x40"	SS316	8	1200	1038	1892	2317	2686	160	1565	3460	1770	28 x 40"	DN500	DN500	1/2"	DN32	1400	1065
SMAXI 1250 MFCSS316DN350 31x40"	SS316	8	1250	1048	1902	2327	2705	160	1620	3520	1829	31 x 40"	DN500	DN500	1/2"	DN32	1550	1120

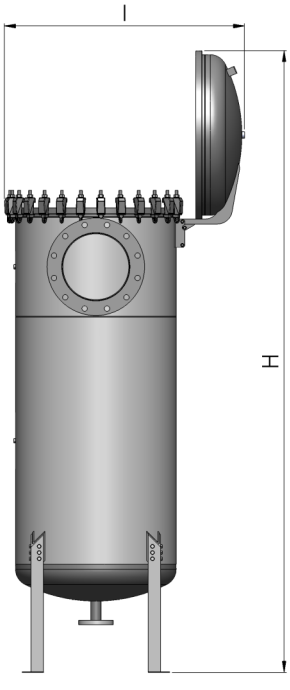
(1) Pressione max / Pressure max / Druck max
(2) Cartucce / Cartridges / Patronen
(3) Portata / Flow Rate / Belastung
(4) Portata senza cartucce. / Flow delivery without cartridges. / Durchfluss ohne patronen. Δp 0,2 Bar
(5) Peso / Weight / Gewicht
(6) Materiale / Material

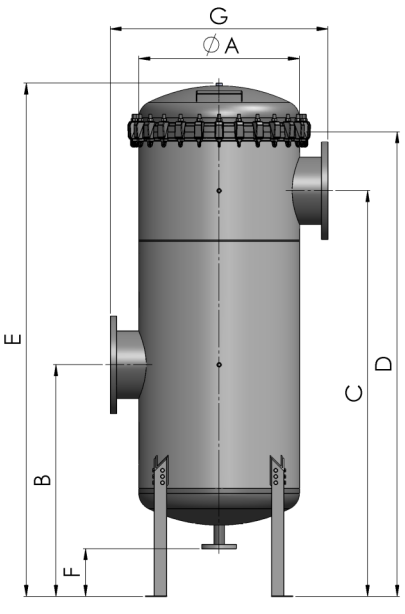


Super maxi 250



Super maxi 400 - 550





Super maxi 650 - 1000

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Multi Flow filter is a large diameter, single opened ended horizontal pleated cartridge with an inside to outside flow pattern. The high flow filter which insures high loading capacity for long life, lower cost filtration and stability to the flow rate.

The filter is available with 20 to 80 that with one piece media, with fewer seals which reduced the risk of bypass and insure a higher quality filtration.

Operation & Conditions

- Maximum operating forward pressure: 3.5 kg /cm²
- Maximum operating temperature: 80 C
- Recommended flow rate in water: >50 m³/hr/40

Applications of products

- Food & Beverage:
  Beer, Wine, High Fructose Corn Syrup, Soft Drinks, Dairy, Juice, Bottled Water, Pre-RO
- Fuels & Chemicals:
  Chemical Plants, Refineries, Amines, Specialty Chemicals, Petrochemicals, Polymer, Oil Recovery, Film and Resins
- Microelectronics:
  Makeup Water, Semiconductors, Microlithography, Process Chemicals
- Power Generation:
  Boiler Condensate, Nuclear and Fossil Power Plants, Cogeneration, Gas Turbines
- Water Processing:
  Reverse Osmosis, Centralized Water Systems, Process Water, Municipalities, Desalination

Product specifications

Micron ratings : 2,4.5,10,20,40,70,100 micron
Material of Construction: Polypropylene Micro-fiber Meltblown
Core Material: Polypropylene
End Cap: Polypropylene
O-ring material: EPDM
Length: 20 , 40 , 60 , 80
Outer Diameter: 6

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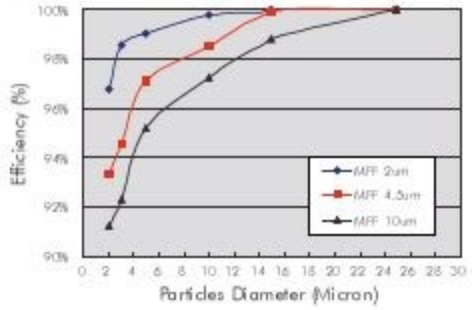
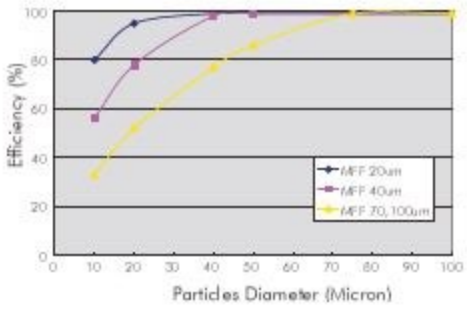
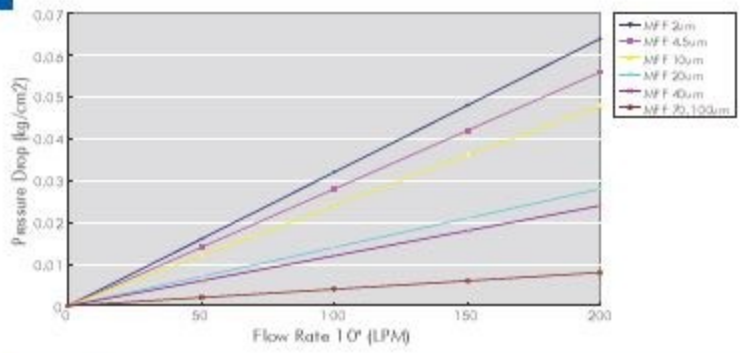
Efficiency of Filtration





Initial Pressure Drop



Ordering Information

MFF - 6 - 40 - PP - 045 - E

- MFF: Multi Flow filter
- 6: Outer Diameter 6 = 6"
- 40: Length
  - 20 = 20"
  - 40 = 40"
  - 60 = 60"
  - 80 = 80"
- PP: Material
- 045:
  - 020 = 2 micron
  - 045 = 4.5 micron
  - 100 = 10 micron
  - 200 = 20 micron
  - 400 = 40 micron
  - 700 = 70 micron
  - 1000 = 100 micron
- E: O-ring Material
  - E = EPDM
  - N = Buna N
  - S = Silicone
  - V = Viton
  - T = PFA encapsulated viton

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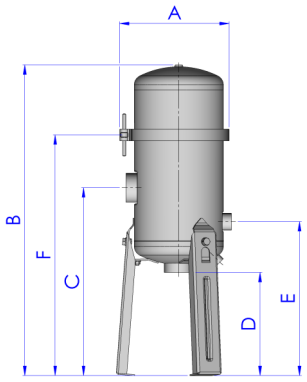
FILTER BOX for BIG CARTRIDGES

MODELLO MODELS MODELL	MATERIALE MATERIAL	p (1)	DIMENSIONI / DIMENSIONS / MAßANGABEN mm								C (2)	ATTACCHI CONNECTIONS ANSCHLÜSSE			Q (3) (4)	W (5)
		Bar	A	B	C	D	E	F	G	H	N.	IN	OUT	DRAIN	Mc/h	Kg
MINI 168 BIG	SS304 / 316	8	200	587	355	195	291	455			1 x 10”	1” 1/2	1” 1/2	1/4”	13	7,5
MIDI 168 BIG	SS304 / 316	8	200	857	355	195	291	455			1 x 20”	1” 1/2	1” 1/2	1/4”	13	9,5

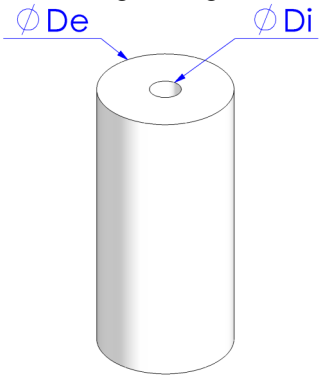
(1) Pressione max / Pressure max / Druck max
(2) Cartucce / Cartridges / Patronen
(3) Portata / Flow Rate / Belastung
(4) Portata senza cartucce. / Flow delivery without cartridges. / Durchfluss ohne patronen. Δp 0,2 Bar
(5) Peso / Weight / Gewicht



BIG Housing

Dimensioni / Dimentions	
D_e	120
D_i	28

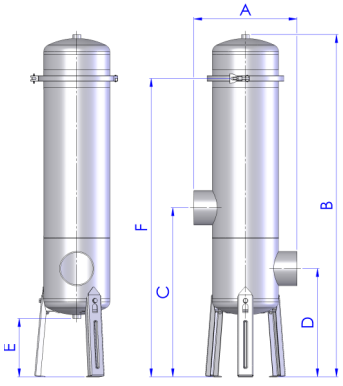
Big cartridge



FILTER BOX for CORELESS CARTRIDGES

MODELLO MODELS MODELL	MATERIALE MATERIAL	p (1)	DIMENSIONI / DIMENSIONS / MAßANGABEN mm								C (2)	ATTACCHI CONNECTIONS ANSCHLÜSSE			Q (3) (4)	W (5)
		Bar	A	B	C	D	E	F	G	H	N.	IN	OUT	DRAIN	Mc/h	Kg
MIDI 219 CL	SS304 / 316	8	342	1138	562	360	194	992			1 x 20”	4” M	4” M	1/2”	50	19
SUPER MAXI 219 CL	SS304 / 316	8	342	1638	562	360	194	992			1 x 40”	4” M	4” M	1/2”	50	26,5

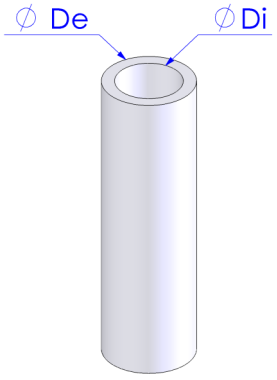
(1) Pressione max / Pressure max / Druck max
(2) Cartucce / Cartridges / Patronen
(3) Portata / Flow Rate / Belastung
(4) Portata senza cartucce. / Flow delivery without cartridges. / Durchfluss ohne patronen. Δp 0,2 Bar
(5) Peso / Weight / Gewicht



Coreless Housing

Dimensioni / Dimentions	
D_e	6”
D_i	4” 1/2

Coreless cartridge



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IMPIEGO

I contenitori “FILTER BOX” sono stati studiati e realizzati in modo da poter alloggiare al loro interno cartucce filtranti standard 10”- 20”- 30”- 40”.

COSTRUZIONE

I contenitori “FILTER BOX” SMALL SS316 sono costruiti di serie con il corpo e la testa in AISI 316 ed hanno una chiusura tipo CLAMP. I contenitori “FILTER BOX” SMALL OT58 sono costruiti di serie con il corpo in AISI 304, la testa in OT58 nichelato ed hanno la chiusura con ghiera. Entrambi i contenitori “FILTER BOX” SMALL , sono staffabili e sono dotati sulla testata di attacchi per i manometri e lo sfiato di aria ed hanno di serie, sul contenitore, un attacco da 1/4” per lo spurgo dell’acqua. I contenitori “FILTER BOX” MINI-MIDI-MAXI e SUPERMAXI costruiti di serie in AISI 304 e su richiesta in AISI 316, possono contenere rispettivamente cartucce da 10”- 20”- 30”- 40” D.O.E. I modelli 168 - 250 - 292 - 350 - 508 - 600 - 700 - 800 - 1100 possono contenere rispettivamente 3, 7, 12, 18, 36, 47, 62, 90, 144 cartucce D.O.E. Su richiesta possiamo fornire i ns. “FILTER BOX” mod. MINI-MIDI-MAXI-SUPERMAXI idonei a contenere cartucce filtranti con attacchi O-ring 222. I contenitori “FILTER BOX” MINI-MIDI-MAXI e SUPERMAXI sono costituiti da due gusci, con fondi bombati stampati, in lamiera di acciaio inossidabile ed uniti per mezzo di due flange saldate, con interposta una guarnizione toroidale in elastomero. Le flange sono serrate da apposita chiusura tipo CLAMP o da una serie di CLAMPS in acciaio inox. All’interno del guscio inferiore è saldato un setto di separazione, in acciaio inossidabile, per il supporto e l’impacchettameto delle cartucce. I mod. MIDI, MAXI e SUPERMAXI vengono forniti di serie con opportuni sostegni in acciaio inossidabile per il centraggio interno delle cartucce. I contenitori sono muniti di n. 3 o 4 piedini di sostegno, manicotti o flange in entrata ed uscita, manicotti per sfiato e per manometri in entrata ed uscita, manicotto per drenaggio. Su richiesta è possibile verniciare internamente con smalto alimentare i contenitori “FILTER BOX”. I contenitori “FILTER BOX”, su richiesta, possono essere costruiti con attacchi diversi.

APPLICATIONS

“FILTER BOX” containers are designed and manufactured to contain 10”-20”-30”-40” standard filtering cartridges.

MANUFACTURE

“FILTER BOX” SMALL SS316 containers are mass-produced with AISI 316 bowl and head and are closed by a CLAMP system. “FILTER BOX” SMALL OT58 containers are mass-produced with AISI 304 bowl and nickel-plated OT 58 head and are closed by a ring nut. Both “FILTER BOX” SMALL containers may be supplied, with gauge connections on the head and air outlet on request, and are mass- produced with a 1/4” connection for water drainage. MINI-MIDI-MAXI-SUPERMAXI “FILTER BOX” containers, mass-produced in AISI 304 and, on request, in AISI 316, can hold respectively 10”- 20”- 30”- 40” D.O.E. cartridges. Models 168 - 250 - 292 - 350 - 508 - 600 - 700 - 800 - 1100 can hold respectively 3, 7, 12, 18, 36, 47, 62, 90, 144 D.O.E. cartridges. Our “FILTER BOX” models MINI-MIDI-MAXI-SUPERMAXI, suited for holding filtering cartridges with O-ring 222 connections, are available upon request. MINI-MIDI-MAXI and SUPERMAXI “FILTER BOX” containers consist of two shells with pressed convex bottoms in stainless steel plating, joined up by two welded flanges, with an elastomer toroidal gasket between them. Flanges can be tightened either by a suitable CLAMP device or by a series of CLAMP devices in stainless steel. Inside the lower shell there is a welded stainless steel baffle plate for supporting and packaging the cartridges. MIDI, MAXI, SUPERMAXI models are always supplied with appropriate stainless steel supports for centering cartridges internally. Containers are provided with No 3 - 4 supporting feet, inlet and outlet couplings or flanges, vent couplings, inlet and outlet gauges and drainage coupling. “FILTER BOX” containers can be painted internally with enamel paint for foodstuff containers on request. “FILTER BOX” containers can be produced with different connections on request.

ANWENDUNG

Die “FILTER BOX” Behälter sind entworfen und hergestellt worden, um Standard Filterpatronen von 10”, 20”, 30”, 40” enthalten zu können.

BAU

Die “FILTER BOX” SMALL SS316 Behälter werden serienmäßig mit Kopf und Schlüssel aus AISI 316 hergestellt und besitzen einen CLAMP Verschluß. Die “FILTER BOX” SMALL OT58 Behälter werden serienmäßig mit Schlüssel aus AISI 304 und Kopf aus OT58 mit Nickelüberzug hergestellt und haben einen Sicherungsringverschluß. Beide “FILTER BOX” SMALL-Behälter sind einspannbar und am Kopf mit Anschlüssen für die Manometer und das Luftventil ausgestattet und haben serienmäßig an dem Behälter einen Anschluss zu 1/4" für die Wasserentleerung. Die “FILTER BOX” MINI-MIDI-MAXI und SUPERMAXI Behälter, die serienmäßig aus AISI 304 und auf Anfrage aus AISI 316 hergestellt werden, können D.O.E.-Patronen von 10”, beziehungsweise von 20”, 30”, 40” enthalten. Die Modelle 168 - 250 - 292 - 350 - 508 - 600 - 700 - 800 - 1100 können jeweils 3, 7, 12, 18, 36, 47, 62, 90, 144 D.O.E.-Patronen enthalten. Auf Anfrage liefern wir unsere “FILTER BOX” Modelle MINI-MIDI-MAXI-SUPERMAXI dafür geeignet, Filterpatronen mit O-RING 222 Anschlüßen zu enthalten. Die “FILTER BOX” MINI-MIDI-MAXI und SUPERMAXI Behälter bestehen aus zwei Schalen mit gewölbten und gepreßten Böden. Die Schalen sind aus Edelstahlblech und durch zwei geschweißte Flanschen miteinanderverbunden mit einem dazwischenliegenden Toroid-Dichtungsring aus Elastomer. Die Flansche können durch einen entsprechenden CLAMP-Verschluss oder durch eine Reihe von CLAMP-Verschlüssen aus Edelstahl angezogen werden. In der unteren Schale ist eine Scheidewand aus Edelstahl geschweißt, die für die Unterstützung und für die Verpackung der Patronen gedacht ist. Die Modelle MIDI, MAXI und SUPERMAXI werden serienmäßig mit geeigneten Unterstützungen aus Edelstahl für die Innenzentrierung der Patronen ausgestattet. Die Behälter sind mit 3 oder 4 Unterstützungsfüßen, Ein- und Auslaßmuffen bzw. Flanschen, Entlüftungsmuffen und für Ein- und Ausführungsmanometer, Dränierungsmuffe ausgerüstet. Auf Wunsch kann die Innenseite der “FILTER BOX” Behälter mit lebensmitteltauglicher Emaille lackiert werden. Auf Anfrage können die “FILTER BOX” Behälter mit verschiedenen Verbindungen gebaut werden.

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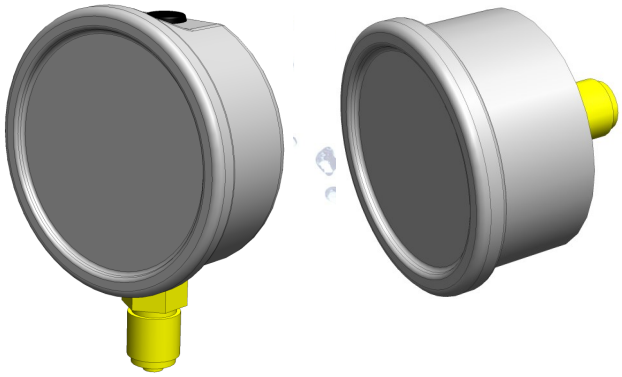
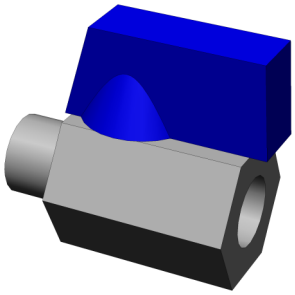
MANOMETRI / MANOMETERS



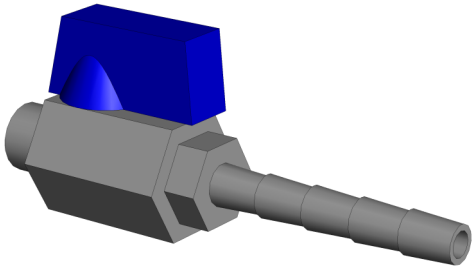
SIZE	Radiale / Radial	Assiale / Axial
ø40 x 1/8”	x	x
ø63 x 1/4”	x	-

VALVOLE DRAIN / DRAIN VALVES



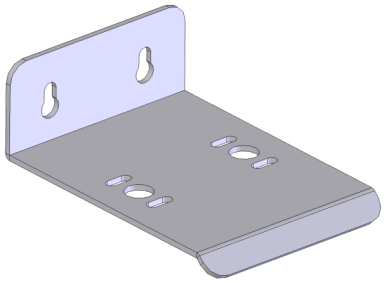
SIZE			
1/4”	1/2”	3/4”	1”

KIT VALVOLE CON PORTA GOMMA / KIT VALVES WITH HOSE



SIZE			
1/4”	1/2”	3/4”	1”

STAFFA A MURO / WALL BRACKET



Solo per Filter Box Small
Only form FIlter Box Small

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Tutti i dati riportati possono subire variazioni.
All the described data may undergo changes.
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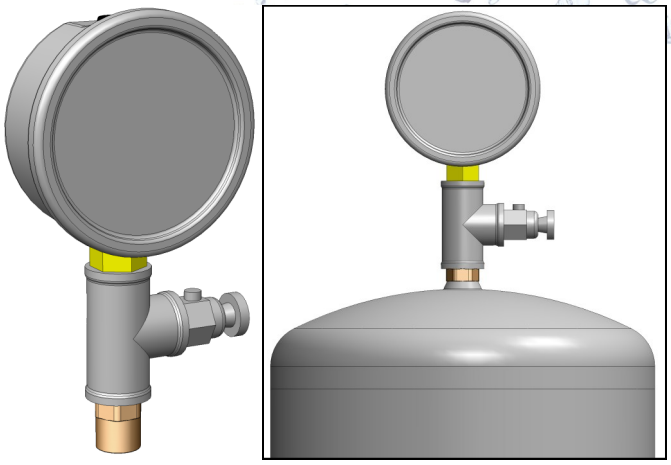
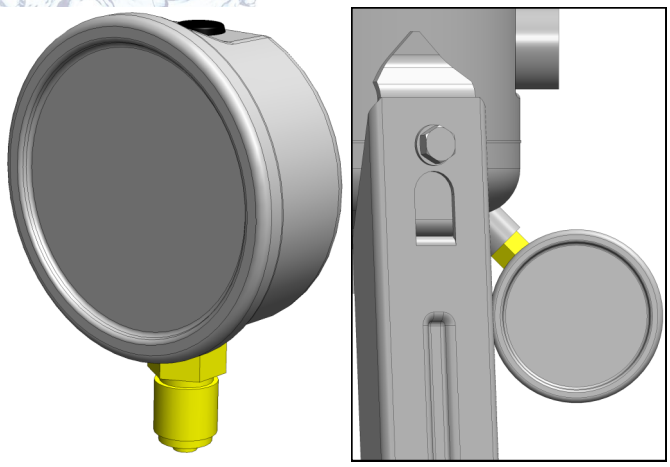
KIT MANOMETRI PER SERIE 168 / KIT MANOMETERS FOR 168 SERIES

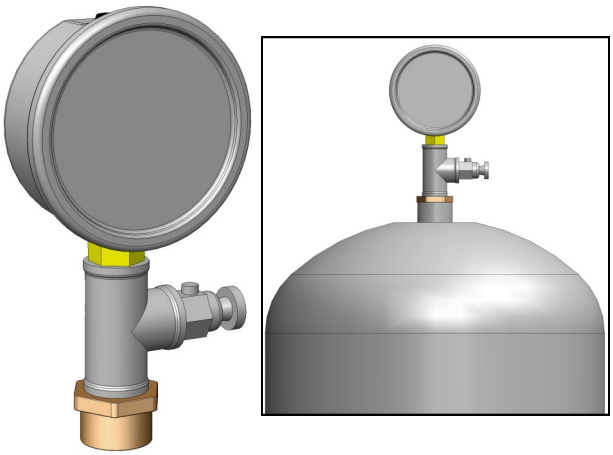


Ingresso / Inlet

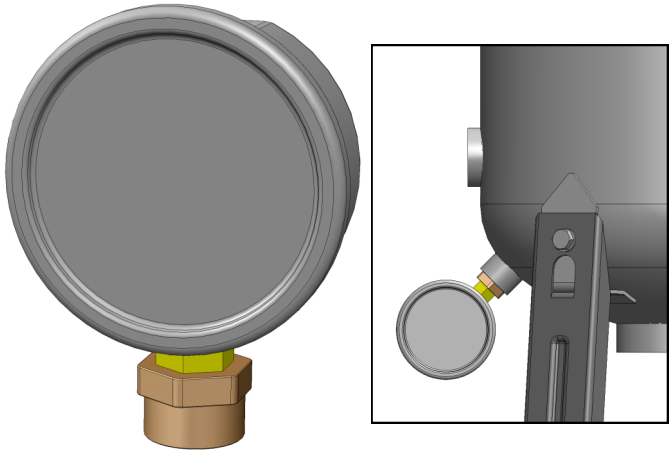


Uscita / Outlet

KIT MANOMETRI PER SERIE 250 / KIT MANOMETERS FOR 250 SERIES

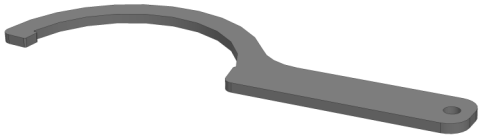


Ingresso / Inlet



Uscita / Outlet

CHIAVE PER FILTER BOX SMALL / KEY FOR FILTER BOX SMALL



Solo per Filter Box Small
Only form FIlter Box Small

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POLYPROPYLENE FILTER CARTRIDGES

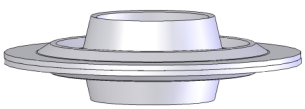
Tavola di flusso / Flow rate table
Flusso massimo approssimativo per cartucce standard da 10" con caduta di pressione iniziale di 0.2 bar.
Max. approx. flow rate for 10" std. cartridges with initial drop in pressure of 0.2 bar.

Grado di filtrazione in micron nominali Filtration degree in rated microns **µm**	Flusso H_2O per cartucce da 10" H_2O flow rate for 10" cartridges **l/h**	Flusso di fluidi per cartucce da 10" Fluid flow rate for 10" cartridges	
		25 CST-L/H	70 CST-L/H
1	1000	60	34
3	1000	80	50
5	1500	110	75
10	1500	250	110
20	2000	500	280
30	2000	600	400
50	2500	800	610
70	2500	1200	800
100	2500	1800	1000

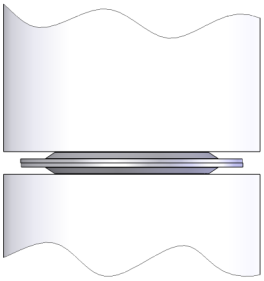
PLEATED FILTER CARTRIDGES IN AISI 304 STAINLESS STEEL

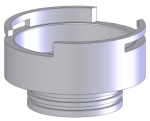
Tavola di flusso / Flow rate table
Flusso massimo approssimativo per cartucce standard da 10" con caduta di pressione iniziale di 0.2 bar.
Max. approx. flow rate for 10" std. cartridges with initial drop in pressure (clean cartridge) of 0.2 bar.

Grado di filtrazione in micron nominali Filtration degree in rated microns **µm**	Flusso H2O per cartucce da 10" H2O flow rate for 10" cartridges **l/h**
50	3000
110	3500
200	4500



Piattello di collegamento cartucce 10" e 20"
Center plate for connection 10" and 20"cartridges





Adattatore per cartucce COD.7
COD.7 cartridges adapter

Coperchio con anodi sacrificali
Cover with sacrifical anodes

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