

**Colly**  
**Filter**

FOOD & BEVERAGE



# KMC Series

FILTER HOUSINGS  
SANITARY GAS FILTRATION

APPLICATIONS

Pressurized Air  
 Technical Gases  
 Steam

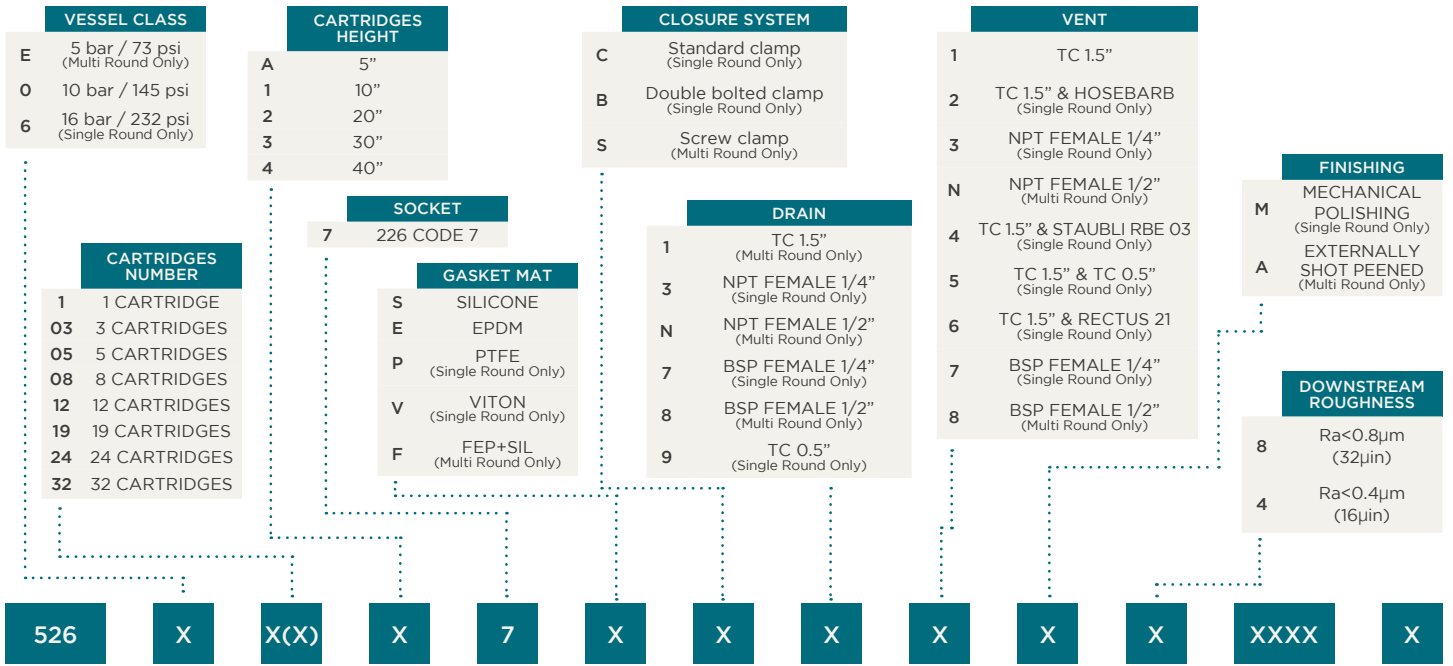


FEATURES & BENEFITS

Single and Multi Round T-Style filter housings with condensate chamber for sanitary applications up to 16 bar (232 psi).

- Full range from 1 to 32 cartridges, from 5" to 40", with different connections
- Laser etched customizable logo
- Suitable for SIP and CIP
- Materials full traceability
- 316L/1.4404 Stainless Steel ensures corrosion resistance and durability
- Automated Welding Processes to guarantee consistent quality and accuracy
- Designed according to Pressure Equipment Directive (PED)
- ATEX Compliance
- Food Grade Compliance: CE 1935/2004
- Gasket Materials: FDA and USP Class VI
- Proprietary closure systems simplify operations
- Customizable with optional accessories
- User-manual and declaration of conformity included
- Certificates: 3.1 EN 10204

SELECTION CRITERIA



CONNECTIONS		AVAILABLE FOR FILTER HOUSING	FLANGES ASME CI 150 (ONLY 10 BAR)		DIN 11851			
<b>BUTT WELD ASME BPE</b>			A150	1.5"	1	D025	DN 25	1
W025	Ø25.4 x 1.65	1	A200	2.0"	1	D040	DN 40	1
W038	Ø38.1 x 1.65	1	<b>FLANGES EN1092-1 PN16 (ONLY 10 BAR)</b>			D050	DN 50	1
W051	Ø50.8 x 1.65	1	E025	DN 25	1	<b>CLAMP ASME BPE</b>		
<b>BUTT WELD ISO 1127-1</b>			E032	DN 32	1	T010	1.0"	1
W088	Ø88.9 x 3.00	03	E040	DN 40	1	T015	1.5"	1
W114	Ø114.3 x 3.00	05	E080	DN 80	03	T020	2.0"	1
W168	Ø168.3 x 3.00	8; 12; 19	E100	DN 100	05	<b>SPECIAL FEATURE</b>		
W219	Ø219.1 x 4.00	24; 32	E150	DN 150	08; 12; 19	O	NONE	
<b>BSP FEMALE</b>			E200	DN 200	24; 32	P	PLUGS	
B010	1.0"	1	<b>FLANGES ASME CI 300 (ONLY 16 BAR)</b>			L	LIFTING LUGS (Multi Round Only)	
B015	1.5"	1	G150	1.5"	1	H	STEAM HEATING JACKET	
B020	2.0"	1	G200	2.0"	1			
<b>NPT FEMALE</b>			<b>FLANGES EN1092-1 PN25 (ONLY 16 BAR)</b>					
N015	1.5"	1	H025	DN 25	1			
N020	2.0"	1	H032	DN 32	1			
			H040	DN 40	1			

More options available on request.

## SPECIFICATIONS

Dimensions are for standard housings with TC 1.5" connections (Single Round) and Flange connections (Multi Round) only. More options available on request. All dimensions are in mm (inches).

No Cartridges	Cartridges Height	A	L	C	OD
1	5"	99 (3.9)	137 (5.39)	400 (15.75)	88.9 (3.5)
1	10"	99 (3.9)	137 (5.39)	520 (20.47)	88.9 (3.5)
1	20"	99 (3.9)	137 (5.39)	770 (30.31)	88.9 (3.5)
1	30"	99 (3.9)	137 (5.39)	1020 (40.16)	88.9 (3.5)
1	40"	99 (3.9)	137 (5.39)	1270 (50)	88.9 (3.5)
3	10"	209 (8.23)	454 (17.87)	777 (30.59)	219 (8.62)
3	20"	209 (8.23)	454 (17.87)	1027 (40.43)	219 (8.62)
3	30"	209 (8.23)	454 (17.87)	1277 (50.28)	219 (8.62)
3	40"	209 (8.23)	454 (17.87)	1527 (60.12)	219 (8.62)
5	30"	235 (9.25)	505 (19.88)	1361 (53.58)	273 (10.75)
5	40"	235 (9.25)	505 (19.88)	1611 (63.43)	273 (10.75)
8	30"	283 (11.14)	581 (22.87)	2005 (78.94)	320 (12.6)
8	40"	283 (11.14)	581 (22.87)	2255 (88.78)	320 (12.6)
12	30"	345 (13.58)	659 (25.94)	1644 (64.72)	400 (15.75)
12	40"	345 (13.58)	659 (25.94)	1894 (74.57)	400 (15.75)
19	30"	355 (13.98)	709 (27.91)	1704 (67.09)	450 (17.72)
19	40"	355 (13.98)	709 (27.91)	1954 (76.93)	450 (17.72)
24	30"	391 (15.39)	773 (30.43)	1732 (68.19)	500 (19.69)
24	40"	391 (15.39)	773 (30.43)	1982 (78.03)	500 (19.69)
32	30"	386 (15.2)	823 (32.4)	1740 (68.5)	550 (21.65)
32	40"	386 (15.2)	823 (32.4)	1990 (78.35)	550 (21.65)

Materials of Constructions (Wetted Parts)	316L / 1.4404
No. Of Cartridges	1, 3, 5, 8, 12, 19, 24, 32
Cartridge Socket	226 CODE 7
In/Out Connections	Clamp ASME BPE, DIN 11851, Butt Weld, ASME and EN Flanges, BSP, NPT
Drains and Vent	Clamp ASME BPE, BSP, NPT
Lateral Port	Clamp ASME BPE, HOSEBARB; STAU-BLI RBE 3, RECTUS 21
Pressure (PS) min-max	-1÷16 bar (-14÷232 psi)
Temperature (TS) min-max	-20°÷150°C (-4°÷302°F)
External Surface	Single Round: Mirror Polished Multi Round: Shot Peened
Internal Surface	Single Round: Mechanical Polishing Multi Round: Upstream Pickled and Downstream Mechanical Polishing
Downstream Roughness	Ra<0.8µm (Ra<32µin) Ra<0.4µm (Ra<16µin)
ATEX	Compliant with EU Directive
PED 2014/68/EU	Gas, PED Fluid Group 2
Design Code	EN 13445
Housing and Gasket Materials	EU 1935/2004 - FDA - USP VI



## ACCESSORIES

Full list of accessories and spare parts available on request.

### ACCESSORIES VENT AND DRAIN BSP VERSION

VENT BSPM BALL VALVE



VENT TC VALVE + CLAMP



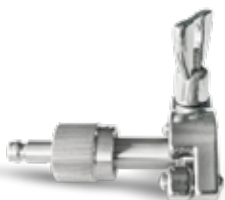
BALL VALVE HOSE ADAPTER



BALL VALVE TC + CLAMP



SAMPLING TEST TC + CLAMP



PRESSURE GAUGE BSPM

