



Allied
Filter Systems Ltd



SAN Series

**FILTER HOUSINGS FOR:
SANITARY LIQUID FILTRATION**

SAN Series

APPLICATIONS

Wine
Beer
Bottled water
Soft drinks



FEATURES & BENEFITS

Single and Multi-Round T-Style filter housings, designed to enhance drain ability for sanitary application.

- Full range from 1 to 60 cartridges, from 5" to 40", with different sockets and connections
- Laser etched customizable logo
- Suitable for SIP and CIP
- Materials full traceability
- 316L/1.4404 Stainless Steel and automatic welding ensure 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
- Available on filtration skids
- User-manual and declaration of conformity included
- Certificates: 3.1 EN 10204

SELECTION CRITERIA

CARTRIDGES NUMBER		GASKET MAT		DRAINS		FINISHING	
01	1 CARTRIDGE	S	SILICONE	0	NO DRAIN	M	MECHANICAL POLISHING (1)
03	3 CARTRIDGES	E	EPDM	2	2 DRAINS TC 1,5" (1)	E	ELECTROPOLISHING
05	5 CARTRIDGES	P	FEP+SILICONE		SAN 01 supplied w/ TC 1,0"	DOWNSTREAM ROUGHNESS	
08	8 CARTRIDGES	V	VITON	3	2 DRAINS DIN 11851 DN 25	8	Ra<0.8µm (0.32µin)
12	12 CARTRIDGES	SOCKET		VENT		4	Ra<0.4µm (0.16µin)
18	18 CARTRIDGES	7	226 CODE 7 (1)	1	TC 1,5" (1)		
24	24 CARTRIDGES	8	222 CODE	2	DIN 11851 DN 25		
30	30 CARTRIDGES	2	CODE 28				
36	36 CARTRIDGES						
48	48 CARTRIDGES						
60	60 CARTRIDGES						

SAN	XX	X	X	X	X	X	X	X	XXXX
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CARTRIDGES HEIGHT		CONNECTIONS		AVAILABLE NO. CARTRIDGES		BUTT WELD ASME BPE	
A	5"						
1	10"						
2	20"						
3	30"						
4	40"						
		CLAMP ASME BPE		CLAMP ASME BPE			
T010	1"	Ø25,4		01 (1)		W025	Ø25,4 x 1,65 01 (1)
T015	1,5"	Ø38,1		01; 03 (1); 05; 08		W038	Ø38,1 x 1,65 01; 03 (1); 05; 08
T020	2"	Ø50,8		05 (1); 08 (1); 12		W051	Ø50,8 x 1,65 05 (1); 08 (1); 12
T025	2,5"	Ø63,5		08; 12 (1); 18 (1); 24 (1); 30		W063	Ø63,5 x 1,65 05 (1); 08 (1); 12
T030	3"	Ø76,2		08; 12; 18; 24; 30 (1)		W076	Ø76,2 x 1,65 08; 12; 18; 24; 30 (1)
T040	4"	Ø101,6		12; 18; 24; 30		W101	Ø101,6 x 2,11 12; 18; 24; 30
		DIN 11851 MALE PART		DIN 11851 MALE PART		BUTT WELD ISO 1127-1	
D025	DN 25	Ø25,4		01 (1)		W114	Ø114,3 x 2,00 24; 30
D040	DN 40	Ø38,1		01; 03 (1); 05; 08		W139	Ø139,7 x 2,00 24; 30
D050	DN 50	Ø50,8		05 (1); 08 (1); 12		W168	Ø168,3 x 2,00 30
D065	DN 65	Ø63,5		08; 12 (1); 18 (1); 24 (1); 30			
D080	DN 80	Ø76,2		08; 12; 18; 24; 30 (1)			
D100	DN 100	Ø101,6		12; 18; 24; 30			
D125	DN 125	Ø129,0		36; 48; 60			

ASME FLANGES	
EN FLANGES	
DIN 11864-2	

More options available on request. Standard options are marked with (1).

SPECIFICATIONS

Dimensions are for standard housings with TC connections only. More options available on request.
All dimensions are in mm (inches).

NO. CARTRIDGES	CARTRIDGES HEIGHT	A	L	C	OD
1	5"	375 (14.76)	269 (10.59)	690 (27.17)	101.6 (4)
1	10"	375 (14.76)	269 (10.59)	790 (31.1)	101.6 (4)
1	20"	375 (14.76)	269 (10.59)	1040 (40.94)	101.6 (4)
1	30"	375 (14.76)	269 (10.59)	1290 (50.79)	101.6 (4)
1	40"	375 (14.76)	269 (10.59)	1540 (60.63)	101.6 (4)
3	10"	345 (13.58)	385 (15.16)	816 (32.13)	168 (6.61)
3	20"	345 (13.58)	385 (15.16)	1065 (41.93)	168 (6.61)
3	30"	345 (13.58)	385 (15.16)	1314 (51.73)	168 (6.61)
3	40"	345 (13.58)	385 (15.16)	1564 (61.57)	168 (6.61)
5	30"	315 (12.4)	445 (17.52)	1325 (52.17)	219 (8.62)
5	40"	315 (12.4)	445 (17.52)	1575 (62.01)	219 (8.62)
8	30"	315 (12.4)	471 (18.54)	1446 (56.93)	273 (10.75)
8	40"	315 (12.4)	471 (18.54)	1596 (62.83)	273 (10.75)
12	30"	326 (12.83)	573 (22.56)	1430 (56.3)	350 (13.78)
12	40"	326 (12.83)	573 (22.56)	1680 (66.14)	350 (13.78)
18	30"	325 (12.8)	509 (20.04)	1450 (57.09)	400 (15.75)
18	40"	325 (12.8)	509 (20.04)	1700 (66.93)	400 (15.75)
24	30"	318 (12.52)	563 (22.17)	1470 (57.87)	450 (17.72)
24	40"	318 (12.52)	563 (22.17)	1720 (67.72)	450 (17.72)
30	30"	292 (11.5)	685 (26.97)	1500 (59.06)	550 (21.65)
30	40"	292 (11.5)	685 (26.97)	1750 (68.9)	550 (21.65)
36	30"	311 (12.24)	790 (31.1)	1500 (59.06)	550 (21.65)
36	40"	311 (12.24)	790 (31.1)	1750 (68.9)	550 (21.65)
48	30"	368 (14.49)	880 (34.65)	1600 (62.99)	650 (25.59)
48	40"	368 (14.49)	880 (34.65)	1850 (72.83)	650 (25.59)
60	30"	368 (14.49)	1000 (39.37)	1700 (66.93)	750 (29.53)
60	40"	368 (14.49)	1000 (39.37)	1950 (76.77)	750 (29.53)

Materials of Constructions (Wetted Parts)	316L / 1.4404
No. Of Cartridges	1, 3, 5, 8, 12, 18, 24, 30, 36, 48, 60
Cartridge Socket	226 CODE 7, 222 CODE 8, CODE 28
In/Out Connections	Clamp ASME BPE, DIN 11851, Butt Weld, ASME and EN Flanges
Drains and Vent	Clamp ASME BPE, DIN 11851
Pressure (PS) min-max	-1 10 bar (-14 145 psi)
Temperature (TS) min-max	-20° 150°C (-4° 302°F)
External Surface	Mirror Polished
Internal Surface	Mechanical Polishing to Ra<0.8μ (Ra<32μin)
ATEX Regulation	I 2 G Ex h IIC T3 Gb I 2 D Ex h IIIC 150°C Db
PED 2014/68/EU	Liquid and Gas, PED Fluid Group 2
Design Code	EN 13445
Housing and Gasket Materials	EU 1935/2004 - FDA - USP VI
Special Features	Heating Jacket, Lifting Lugs, Front and Back Elbows, No Legs, Plugs



ACCESSORIES

Full list of accessories and spare parts available on request.



VENT TC 1.5" VALVE + CLAMP	
TECHNICAL DATA	
MATERIAL	AISI 316L SILICONE
GASKET MATERIAL	Ø100, GLICERINE BATH
PRESSURE GAUGE	
PART NUMBERS	
601300006	0÷6 bar
601300010	0÷10 bar
601300016	0÷16 bar
601303006	0÷6 bar
601303010	0÷10 bar
601303016	0÷16 bar
QUICK COUPLING	
	RECTUS 21KA Ø9 STAUBLI RBE



VENT TC 1.5" SIGHT GLASS 2 SANITARY VALVES + CLAMP	
TECHNICAL DATA	
MATERIAL	AISI 316L SILICONE
GASKET MATERIAL	Ø100, GLICERINE BATH
PRESSURE GAUGE	
PART NUMBERS	
601300006	0÷6 bar
601300010	0÷10 bar
601303006	0÷6 bar
601303010	0÷10 bar
QUICK COUPLING	
	RECTUS 21KA Ø9 STAUBLI RBE 03.6151 Ø3



VENT TC 1.5" BALL VALVE + CLAMP	
TECHNICAL DATA	
MATERIAL	AISI 316L
GASKET MATERIAL	SILICONE
PRESSURE GAUGE	Ø100, GLICERINE BATH
PART NUMBERS	
601300006	0÷6 bar
601300010	0÷10 bar
601303006	0÷6 bar
601303010	0÷10 bar
QUICK COUPLING	
	RECTUS 21KA Ø9 STAUBLI RBE 03.6151 Ø3



BUTTERFLY VALVE TC + CLAMP	
TECHNICAL DATA	
MATERIAL	AISI 316L
GASKET MATERIAL	SILICONE
PART NUMBERS	
1.0"	606306100
1.5"	606306150
2.0"	606306200
2.5"	606306250
3.0"	606306300
4.0"	606306400



BALL VALVE TC 1.5" + CLAMP	
TECHNICAL DATA	
MATERIAL	AISI 316L
GASKET MATERIAL	PTFE
PART NUMBERS	
	602300150



SAMPLING TEST TC 1.5" + CLAMP	
TECHNICAL DATA	
MATERIAL	AISI 316L
GASKET MATERIAL	SILICONE
PART NUMBERS	
	602310150

Allied Filter Systems Ltd

Huntsman Drive | Northbank Industrial Park | Irlam | Manchester | M44 5EG | United Kingdom

UK Registration no. 3043174 | VAT no. GB 262 3620 24

Tel: +44 (0) 161 777 9500

Website: www.alliedfilter.co.uk

Email: sales@alliedfilter.co.uk

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