



SC Series

**NORTH AMERICA HOUSING
SINGLE CARTRIDGE
MEDIUM PRESSURE**

MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESIN
- PHARMACEUTICAL
- MICROELECTRONIC
- GALVANIC
- HYDRAULIC
- STEEL MILL
- GENERAL INDUSTRY

CHARACTERISTICS:

- 100% AISI 316 construction
- Head and V-Clamp manufactured with lost wax micro-casting
- Two head/bowl closure system available:
 - SCR: V-Clamp
 - SCD: DIN 11851 locknut
- SCR type suitable for liquid filtration
- SCD type suitable for liquid or gas filtration
- In line in/out connections for easy installation
- Suitable for operating pressure up to 25 bar (363 psi)
- Suitable for cartridges from 6" to 40"
- Suitable for cartridges DOE, cod. 3, cod. 8, cod. 7, cod. 6, NPT
- Installation of cartridge independent from bowl
- O-ring head/bowl seal
- Designed to allow visual checking of the installed cartridge prior to bowl closure
- Conform to 2014/68/UE PED Directive
- Conform to 2104/34/UE ATEX Directive
- 1935/2004/CE certification available upon request

ASCO FILTRI

a mott company

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TECHNICAL DATA

MAX. WORKING CONDITION

25 bar @ 100 °C (363 psi @ 212 °F)
(according to the handled fluid)

CONSTRUCTION MATERIALS

HEAD:

- 316 SS micro casting

BOWL:

- 316L SS

V-CLAMP (SCR type):

- 316 SS micro casting

LOCKNUT (SCD type):

- 304 SS

BOWL FINISHING

Internal:

- Pickling

External:

- Manual polishing

GASKETS

- EPDM (standard)

- Buna-n

- Silicone

- Viton

- PTFE (only for SCD)

- FEP

IN/OUT

- 1" NPT

DRAIN

- 1/2" NPT

ACCESSORIES

- Wall mounting bracket

- Flanged connections

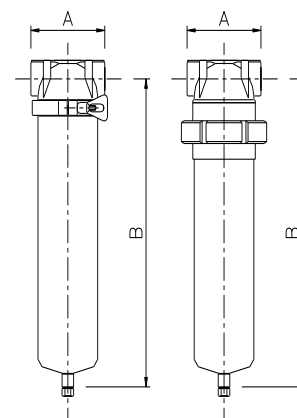
Dimensions:

SCR - Liquid filtration only						
Length	Dimension - mm [in]		Connections		Volume	Weight
	A [2]	B [1]	In/out	Drain	lt [cu.ft]	kg [lbs]
06	110 [4.3]	230 [9.1]	1" NPT	1/2" NPT	0.95 [0.03]	2.4 [5.3]
10	110 [4.3]	336 [13.2]			1.80 [0.06]	2.7 [6.0]
20	110 [4.3]	616 [24.3]			3.50 [0.12]	3.9 [8.6]
30	110 [4.3]	901 [35.5]			5.10 [0.18]	6.3 [13.9]
40	110 [4.3]	1156 [45.5]			6.60 [0.23]	7.2 [15.9]

SCD - Liquid and gas filtration						
Length	Dimension - mm [in]		Connections		Volume	Weight
	A [2]	B [1]	In/out	Drain	lt [cu.ft]	kg [lbs]
06	110 [4.3]	283 [11.1]	1" NPT	1/2" NPT	0.95 [0.03]	3.9 [8.6]
10	110 [4.3]	383 [15.1]			2.00 [0.07]	4.2 [9.3]
20	110 [4.3]	616 [24.3]			3.50 [0.12]	5.4 [11.96]
30	110 [4.3]	899 [35.4]			5.10 [0.18]	7.8 [17.2]
40	110 [4.3]	1156 [45.5]			6.60 [0.23]	8.7 [19.2]

[1] For N01 (NPT) or P01 (cod. 7) option increase B dimension by 50 mm [2"].

[2] For flanged version ask to Asco Filtri.



Max. working pressure:

Fluid	SCR					SCD				
	6"	10"	20"	30"	40"	6"	10"	20"	30"	40"
Liquid Gr. 2	25 bar [363 psi]					25 bar [363 psi]				
Liquid Gr. 1	25 bar [363 psi]					25 bar [363 psi]				
Gas Gr. 2	Not suitable					25 bar [363 psi]				
Gas Gr. 1						25 bar [363 psi]				

If the filter will be installed in Europe, please contact Asco Filtri for the working pressure limitation according to the 2014/68/EU PED Directive.

Gaskets temperature limitation:

EPDM	120 °C (248 °F)	Viton	230 °C (446 °F)	PTFE	250 °C (482 °F)
Buna-n	120 °C (248 °F)	Silicone	230 °C (446 °F)	FEP	250 °C (482 °F)

Working temperature is limited from installed gaskets.

For working temperature different than 100 °C (212 °F), check with the operating manual to define the max. working pressure.

Ordering information:

SC	R	10	S	S	A	H	01	N	-	B01
Closure: R: V-clamp (only liquids) D: DIN 11851 (liquids & gas)							In/out: 01: 1"			Options: B01: DOE D01: cod. 3 P01: cod. 7 N01: 1" NPT
Length: 06: 6" 10: 10" 20: 20" 30: 30" 40: 40"							In/out type: N: NPT			
Head material: S: 316-SS										
Bowl material: S: 316L-SS							Bowl Drain: H: 1/2" NPT			

SCR Gasket Part No	101172	SCD Gasket Part No	101173
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We reserve the right to change the data of this specification without notice.

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