

PHXC Series

● DESCRIPTION

Suction filter

Connection type and size:

Threaded connection: 1" 1-1/4" 1-1/2"

SAE Flange connection: 1-1/2"

Maximum flow rate up to 160 l/min

● TECHNICAL PARAMETER

Maximum working pressure: 10 bar

Bypass valve opening pressure: 0.3 bar

Transmitter opening pressure: 0.2 bar

Temperature range: -29 to +120



● MATERIALS

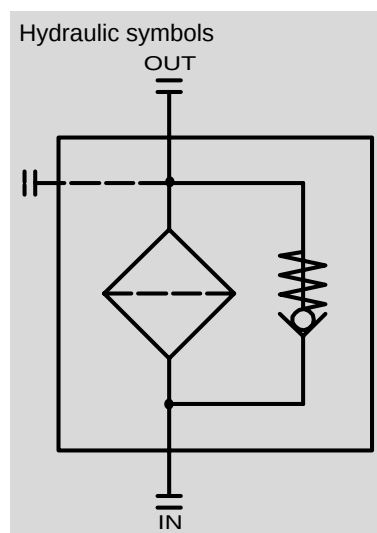
Head: Cast aluminium

Filter barrel: Cast aluminium

Seals: NBR nitrile rubber (standard)

Or FKM fluororubber (customizable)

Filter element material: Stainless steel wire mesh



● MEDIA COMPATIBILITY

Suitable for mineral oil, lubricating oil, fire-resistant oil, and rapidly biodegradable media.
(If used for water-based or special media, please consult our sales department.)

Ordering Options Table

	PHXC	250	G6	N	C	90	A	B																				
Filter type																												
Filter specification																												
250																												
Connection type and size																												
<table border="1"> <thead> <tr> <th rowspan="2">series</th> <th rowspan="2">Connection</th> <th colspan="4">Type</th> </tr> <tr> <th>G4</th> <th>G5</th> <th>G6</th> <th>F4</th> </tr> </thead> <tbody> <tr> <td rowspan="2">250</td> <td>screw thread</td> <td>G 1"</td> <td>G1-1/4"</td> <td>G1-1/2"</td> <td>-</td> </tr> <tr> <td>SAE flange</td> <td>-</td> <td>-</td> <td>-</td> <td>1-1/2"</td> </tr> </tbody> </table>	series	Connection	Type				G4	G5	G6	F4	250	screw thread	G 1"	G1-1/4"	G1-1/2"	-	SAE flange	-	-	-	1-1/2"							
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	SAE flange	-	-	-	1-1/2"																							
Seals																												
N: NBR V: FKM																												
Magnetic Options																												
C = With magnetic filter W = Without magnetic filter																												
Filter fineness(μm)																												
25 60 90 250																												
Differential pressure transmitter																												
A: Steel blanking plug in indicator port E: Vacuum gauge indicator BM: Visual (Automatic reset) B: Visual (Automatic reset) CM: Electrical indicator C: Electrical indicator CL: Visual and electrical indicators																												
Bypass valve opening pressure																												
B = 0.3 bar																												

Filter Element

	PYXC	250	W	90	N
Filter element type					
Filter element specification					
250					
Filter element material					
W: Stainless steel wire mesh					
Filter fineness(μm)					
25 60 90 250					
Seals O-ring					
N: NBR V: FKM					

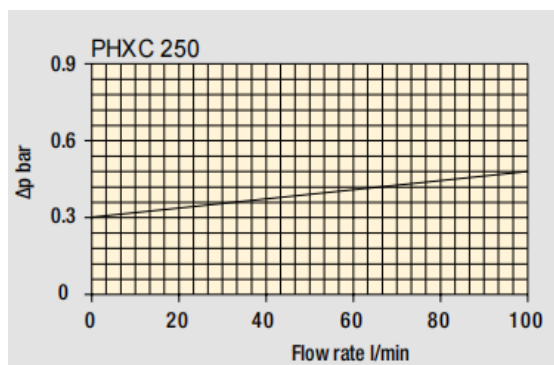
Maximum flow rate for a complete suction filter with a pressure drop $\Delta p = 0.08$ bar.

The reference fluid has a kinematic viscosity of $30 \text{ mm}^2/\text{s}$ (cSt) and a density of $0.86 \text{ kg}/\text{dm}^3$ for different pressure drop or fluid viscosity.

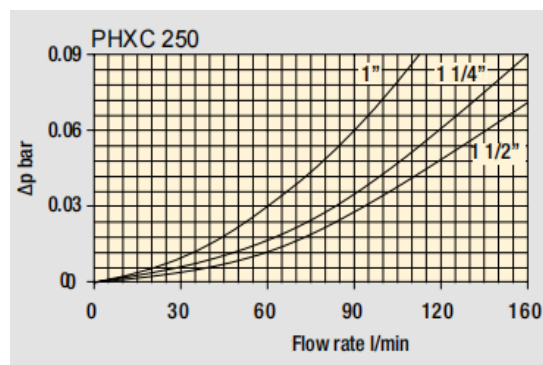
Filters pressure drop Δp in function of connection type

The curves are plotted using mineral oil with density of $0.86 \text{ kg}/\text{dm}^3$ in compliance with ISO 3968 Δp varies proportionally with density.

Filter housings Δp pressure drop



Bypass valve pressure drop



DIMENSIONS

