

DHST Series

DESCRIPTION

Duplex bowls line filter

Connection type and size:

Threaded connection: G1½" G¾" G1" G1¼" G1½"

SAE Flange connection: DN25 DN38

Maximum flow rate up to 400 l/min

TECHNICAL PARAMETER

Maximum working pressure: 63 bar

Bypass valve opening pressure: 7 bar

Transmitter opening pressure: 5 bar

Temperature range: -10 to +100



MATERIALS

Head: Cast aluminium

Filter bowl: Aluminium

Seals: NBR nitrile rubber (standard)

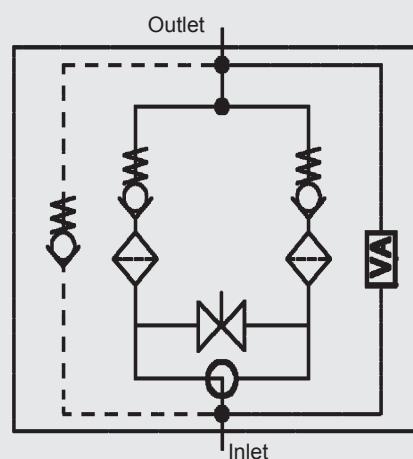
Or FKM fluororubber (customizable)

Filter element material: Fiberglass and 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.)

Symbol for hydraulic systems



VA = clogging indicator

Ordering Options Table

		DHST	160	E	F	10	N	B	B7	
Filter type										
Filter specification										
60 110 140 40 63 100 160 250 400										
Connection type and size										
Type	Connection	Filter size								
		60	110	140	40	63	100	160	250	400
B	G 1/2	X	X	X	●	X	X			
C	G 3/4	X	X	X	X	●	X			
D	G 1	X	X	X	X	X	●			
E	G 1 1/4							●	X	X
F	G 1 1/2							X	●	X
I	DN 25**	X	X	X	X	X	X			
K	DN 38**							X	X	●
** Flange SAE, 3000 PSI										
Filter element material										
F: Fiberglass										
W:Stainless steel wire mesh										
Filter fineness(μm)										
(F): 03 05 10 20										
(W): 05 10 20 30										
Seals										
N: NBR V: FKM										
Differential pressure transmitter										
A: Steel blanking plug in indicator port										
B: Visual (Automatic reset)										
BM: Visual (Manual reset)										
C: Electrical indicator										
CM: Visual and electrical indicators										
CL: Visual and electrical indicators										
D: Electrical indicator										
DM: Electrical indicator Plug DT 04-2P										
Bypass valve opening pressure										
B0 = Without bypass valve										
B7 = 7 bar										

Filter Element

DYST 160 F 10 N

Filter element type

Filter element specification

60 110 140 40 63 100 160 250 400

Filter element materia

F: Fiberglass W: Stainless steel wire mesh

Filter fineness(μm)

(F): 03 05 10 20 30 (W): 05 10 20 30

Seals

N: NBR V: FKM

Maintenance Instructions

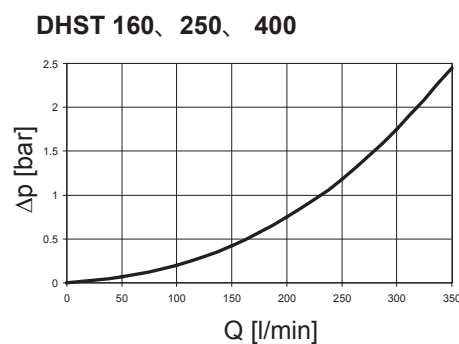
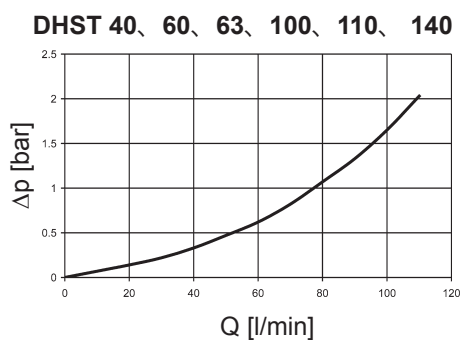
Filter housing must be grounded

When using electric plugging, please replace the filter element.

The system must be turned off before removing the clog indicator light and power connector.

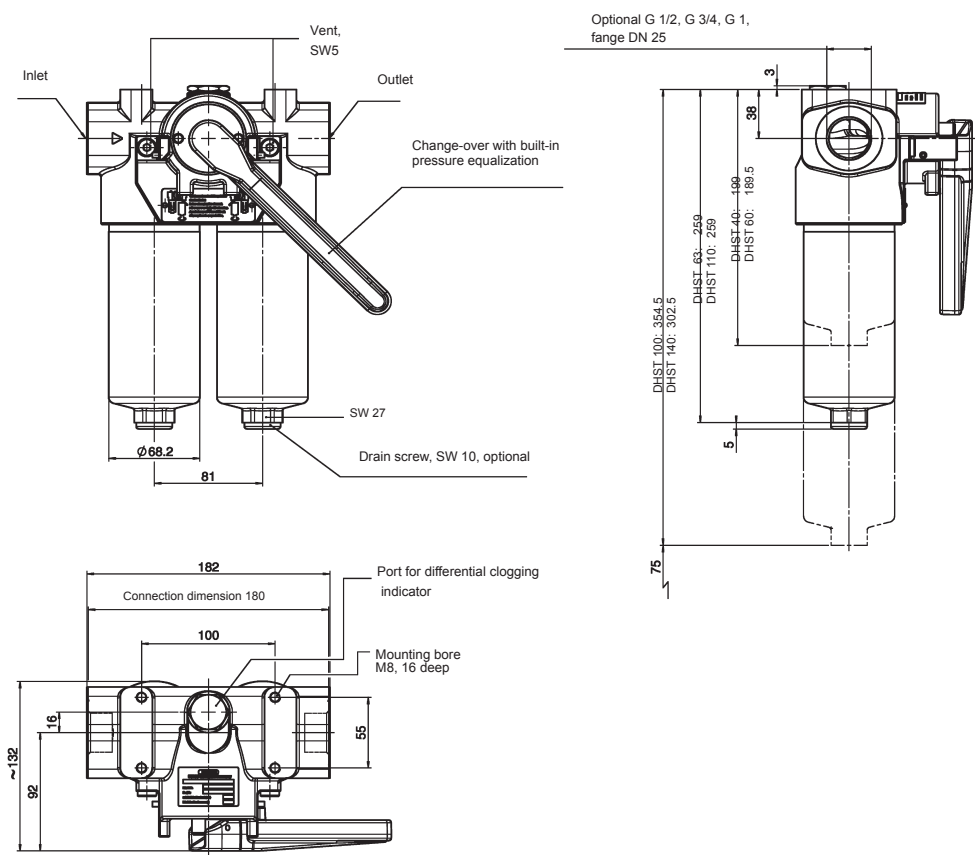
Δp -Q ISO 3968

The housing curves apply to mineral oil with a density of 0.86 kg/dm^3 and a kinematic viscosity of $30 \text{ mm}^2/\text{s}$. In this case, the differential pressure changes proportionally to the density.

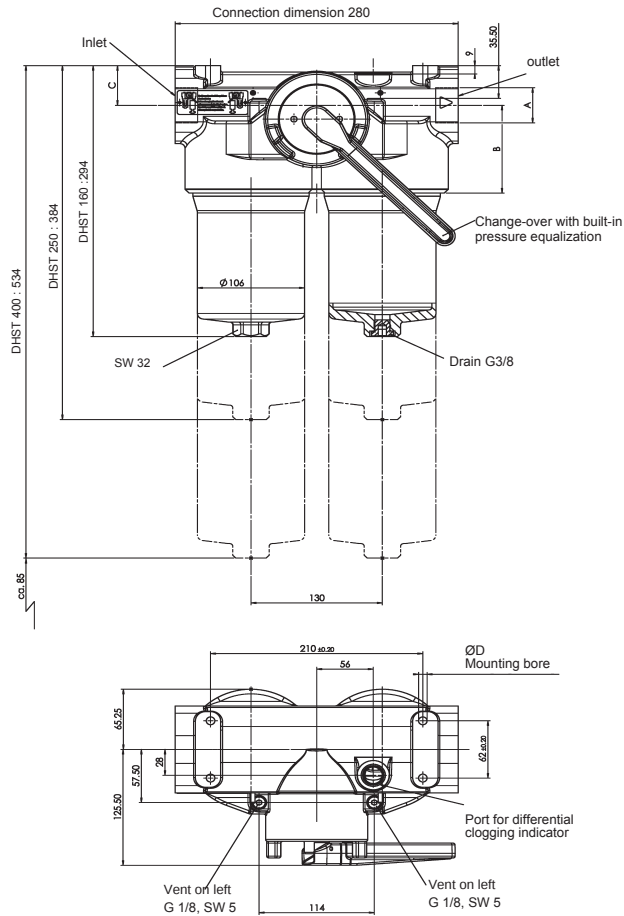


DIMENSIONS

DHST 40 - 140



DHST 160 - 400



A	B	C	D
G 1 1/4	95	43	M10 x 19/22 depth
G 1 1/2	98	40	M10 x 19/22 depth
DN 38	95	43	M10 x 19/22 depth

DHST	Weight incl. element [kg]	[l] Pressure chamber volume [l]
40	6.73	2x 0.26
60	6.83	2x 0.25
63	7.10	2x 0.40
100	11.33	2x 0.50
110	7.32	2x 0.40
140	11.78	2x 0.40
160	9.1	2x 1.40
250	9.6	2x 2.00
400	12.0	2x 3.10

Annotation

All information in this manual relates to the described working environment and application conditions. For applications and working conditions that are not described, please contact the relevant technical department. Technical modifications are possible.