DHST Series

DESCRIPTION

Duplex bowls line filter

Connection type and size:
Threaded connection: G½" G¾" G1" G1¼" G1½"
SAE Flange connection: DN25 DN38

Maximum flow rate up to 400 l/min

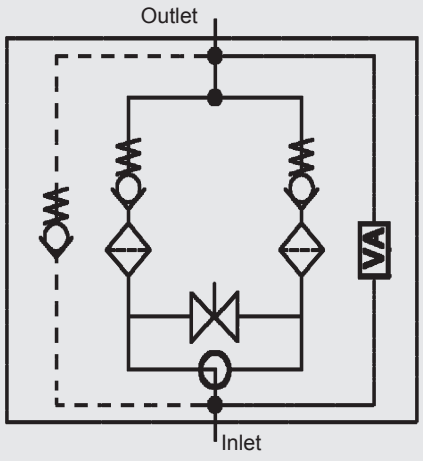
TECHNICAL PARAMETER

Maximum working pressure: 63 bar
Bypass valve opening pressure: 7bar
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

Symbol for hydraulic systems



VA = clogging indicator

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

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 ½	X	X	X	●	X	X			
C	G ¾	X	X	X	X	●	X			
D	G 1	X	X	X	X	X	●			
E	G 1¼							●	X	X
F	G 1½							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

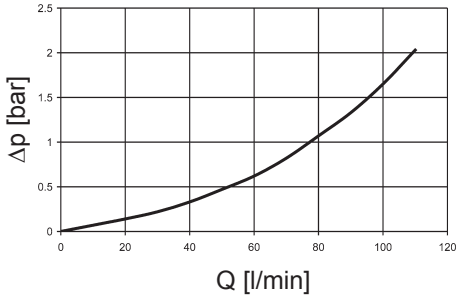
Maintenance Instructions

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.

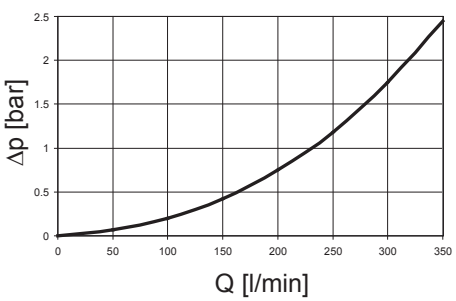
Δp-Q ISO 3968

The housing curves apply to mineral oil with a density of 0.86 kg/dm³ and a kinematic viscosity of 30 mm²/s. In this case, the differential pressurechanges proportionally to the density.

DHST 40、60、63、100、110、 140

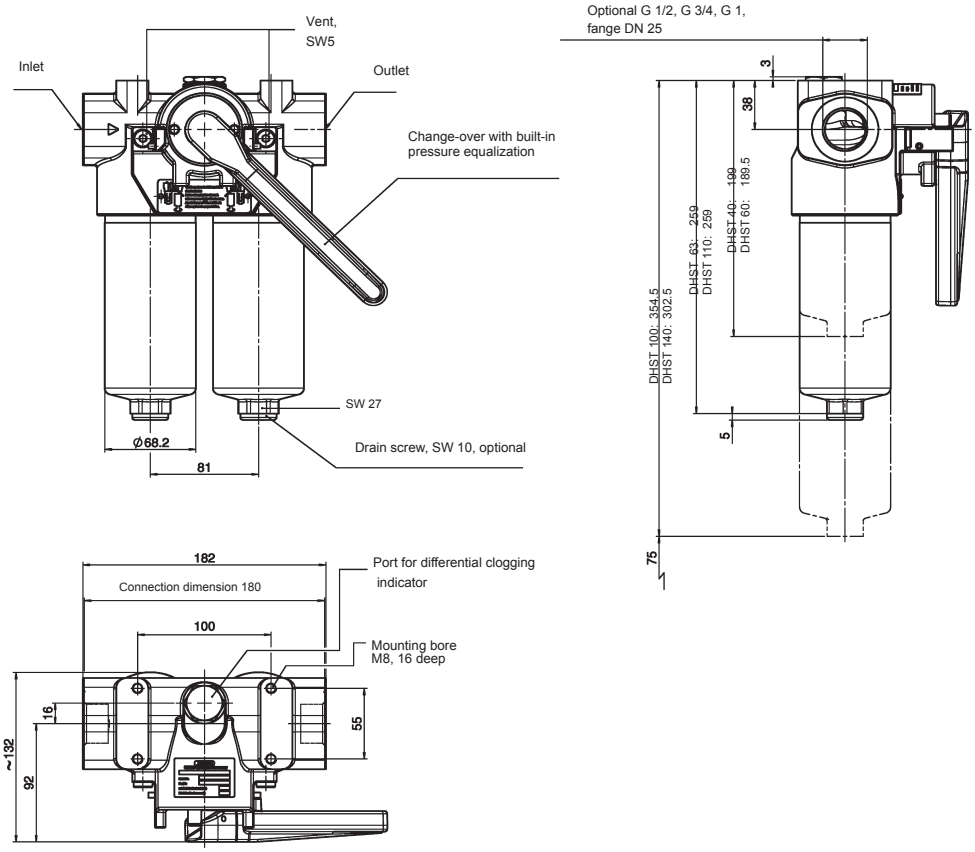


DHST 160、250、 400

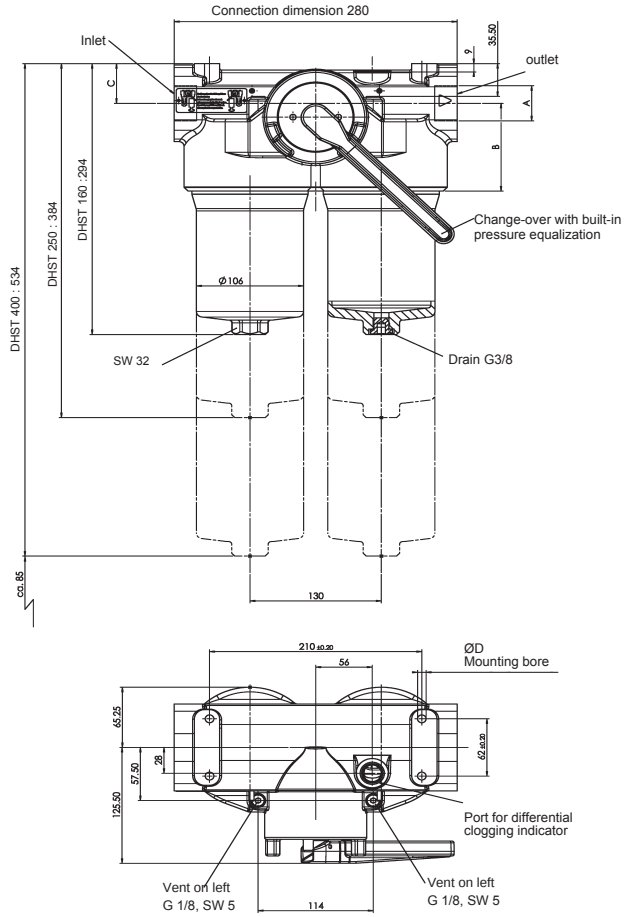


DIMENSIONS

DHST 40 - 140



DHST 160 - 400



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

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.