



### APPLICATION

Filtration of all liquids. For installation into suction or pressure pipework to protect downstream equipment (pumps, bearings, heat exchangers, valves, pipework etc.) against contamination or accumulation of mud.

### OPERATION

The filter is completely maintenance-free except for checking of the seals and cleaning of filter elements. The pressure drop indicates the contamination degree of the filter. To clean the filter element, the installation must be shut-down or the filter isolated.

### CLEANING

Depressurize the filter chamber by means of the venting screw. Lift the housing cover, remove the filter element, rinse it with the cleaning fluid, e.g. BOLL-CLEAN 2000, and clean it by compressed air.

(See operating instructions 'filter element cleaning').

### TECHNICAL CHARACTERISTICS

- Filter housing made of cast ductile iron (DN 25 to DN 80) or cast stainless steel (DN 25 and DN 50)
- Certified according to AD 2000, PED/DGRL97/23/EG and ASME SECT. VIII DIV.1
- Flanged connections according to DIN, ANSI, JIS
- Filter elements: **star-pleated 1** element or **basket 2** element, optionally as disposable element
- Grade of filtration: 10 micron to 5 mm
- Operating temperature: -10°C to 160°C

### ACCESSORIES

- Differential pressure indicator optical / optoelectrical

## BOLL Simplex Filter TYPE 1.12.2

with flanged connections DN 25 – DN 80  
optionally with integrated steam heating



- Cover safety device
- Magnetic bar inside the filter element
- Steam heating
- Electrical heating
- Bottom fastening for filter size DN 65/80

### ADVANTAGES

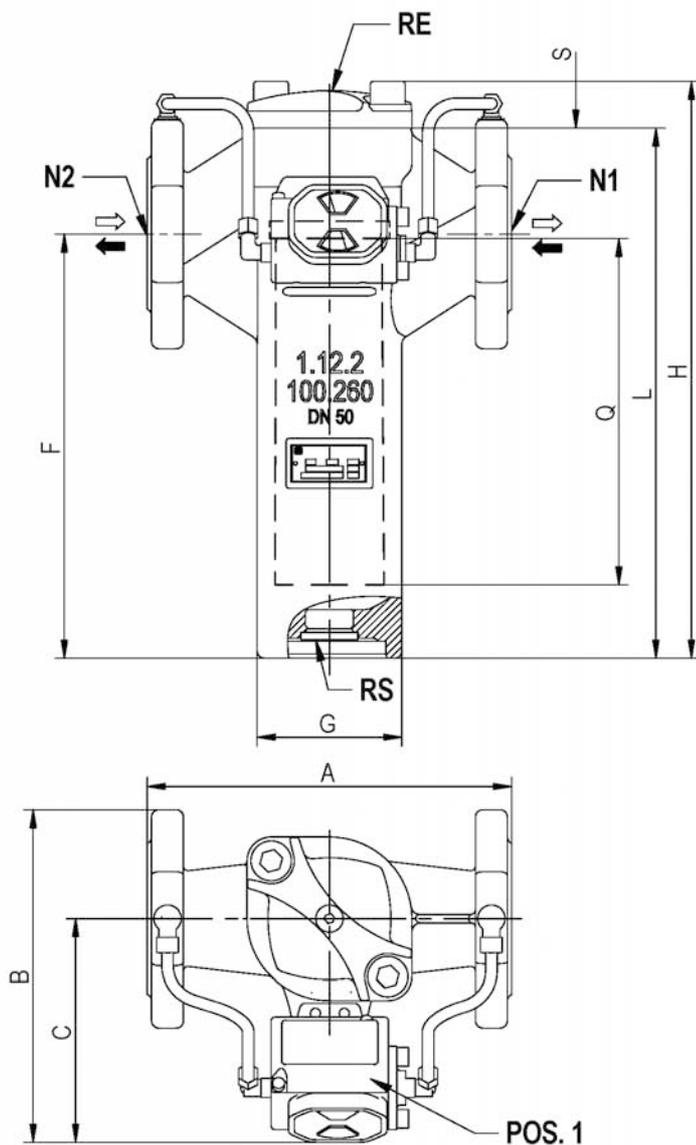
- Minimal pressure losses
- Most compact construction
- Minimal number of components
- Easy cover fastening with only two screws

### Pressure stages / Dimensioning

In- / Outlet	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80
Cast ductile iron	PN 40	PN 40	PN 40	PN 40	PN 40	PN 40
Cast stainless steel	PN 32	---	---	PN 32	---	---
<b>Volume flow at</b>						
$\Delta p$ clean 0.1 bar; Oil 40 cS	5 m <sup>3</sup> /h	9 m <sup>3</sup> /h	14 m <sup>3</sup> /h	21 m <sup>3</sup> /h	35 m <sup>3</sup> /h	53 m <sup>3</sup> /h
Grade of filtration 50 $\mu$ m	83 l/min	150 l/min	233 l/min	350 l/min	583 l/min	883 l/min

# THE DETAILS

## Z107393 - Typ 1.12.2



⇐ Durchflußrichtung bei Korbsiebelementen  
flow direction with basket elements  
le passage avec des paniers à corbeille

⇐ Durchflußrichtung bei Sternsiebelementen  
flow direction with star-pleated elements  
le passage avec des panier étoile

N1/N2 nach DIN2501 / ANSI B16.5 / JIS 40K  
N1/N2 acc. to DIN2501 / ANSI B16.5 / JIS 40K  
N1/N2 d'après DIN2501 / ANSI B16.5 / JIS 40K

RE Entlüftung G1/4  
vent  
désaération

RS Entleerung G1/4  
drain  
vidange

S Ausbau Filterelement  
filter element removal  
démontage du panier

Gehäuse gegossen  
housing casted  
corps moulé

Allgemeintoleranzen DIN ISO 2768-M  
general tolerance  
tolérances générales

auf Wunsch, optional, sur demande

POS.1 Differenzdruckanzeiger  
differential pressure indicator  
indicateur de différence de pression

Bestellbeispiel  
ordering example  
exemple de commande

Typ	G	Q	DN
1.12.2	220	630	50

G	Q	DN N1 / N2	A	B	C	H	F	L	S	Volumen dm <sup>3</sup>	Gewicht kg
85	95	25	142	200	148	220	151	195	170	0,8	8
85	145	32	182	202	152	268	196	242	220	1,0	10
100	210	40	218	216	157	356	264	323	300	2,0	15
100	260	50	252	232	156	403	296	370	350	2,5	19
140	406	65	312	267	179	586	454	550	530	7,8	39
155	508	80	332	283	189	698	553	662	650	11,3	49

subject to alteration  
single filter

Änderungen vorbehalten!  
**Einfachfilter Typ 1.12.2**

modifications réservées  
filtre simple

