

Compact design

Wide temperature range

Shock and vibration resistant to EN 61373, Category 1, class A and B



Technical features

Medium:

Neutral and semi-neutral gases and liquids

Application:

Dirt traps are built into pipelines upstream of controls, measuring instruments etc. They protect the equipment against clogging and breakdown and improve the operational reliability.

Operating pressure:

16 bar max. [232 psi]

Operating viscosity:

160 mm²/s max.

Filter element:

Interchangeable, filter mesh size optional

Flow direction:

Indicated by arrow

Operation temperature:

-40 ... +100°C [-40 ... +212°F]

Air supply must be dry enough to avoid ice formation at temperatures below +2°C [+35°F].


Mounting position:

Filter element tilted downwards

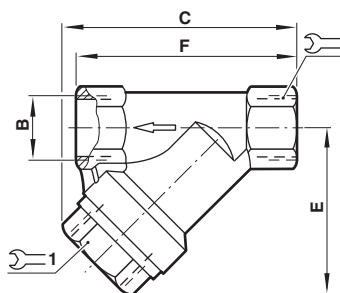
Materials

Body: brass (to G1),
red brass (G1 1/4 ... G2)
Plug: brass
Filter: stainless steel
Seals: NBR



Technical data

Symbol	Port size	Orifice (mm)	Mesh size (mm)	Weight (kg)	lb	Model
	G1/4	6	0,15	0,43	0.95	0310040
	G1/4	6	0,35	0,43	0.95	0310041
	G3/8	10	0,15	0,41	0.90	0310140
	G3/8	10	0,35	0,41	0.90	0310141
	G1/2	12	0,15	0,37	0.82	0310240
	G1/2	12	0,35	0,37	0.82	0310241
	G3/4	20	0,15	1,17	2.58	0310340
	G3/4	20	0,35	1,17	2.58	0310341
	G1	25	0,15	1,03	2.27	0310440
	G1	25	0,35	1,03	2.27	0310441
	G1 1/4	32	0,25	1,1	2.43	0311702
	G1 1/4	32	0,50	1,1	2.43	0311701
	G1 1/2	40	0,25	1,4	3.09	0311802
	G1 1/2	40	0,50	1,4	3.09	0311801
	G2	50	0,25	2,50	5.51	0311902
	G2	50	0,50	2,50	5.51	0311901

Dimensions



Dimensions shown in mm

B	C	E*	F		 1	Model
G1/4	83	57	80	27	24	0310040
G1/4	83	57	80	27	24	0310041
G3/8	83	57	80	27	24	0310140
G3/8	83	57	80	27	24	0310141
G1/2	83	57	80	27	24	0310240
G1/2	83	57	80	27	24	0310241
G3/4	110	82	105	41	41	0310340
G3/4	110	82	105	41	41	0310341
G1	110	82	105	41	41	0310440
G1	110	82	105	41	41	0310441
G1 1/4	110	76	110	50	30	0311702
G1 1/4	110	76	110	50	30	0311701
G1 1/2	120	84	120	55	30	0311802
G1 1/2	120	84	120	55	30	0311801
G2	150	102	150	70	36	0311902
G2	150	102	150	70	36	0311901

*Sufficient clearance (pipe center to floor 2x dimension 'E') must be allowed for removal of the filter element.

Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical features'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.