

Y-TYPE STRAINER MODEL S5000

PRODUCT DATA



PN16

NOMINAL PRESSURE



MATERIAL & MANUFACTURING STANDARD

- The drilling of flanges is according to ASTM
- The structure length of the valve is according to ASTM A536
- Screen from SS 304
- Sealing gasket made of graphite material.



COATING SPECIFICATIONS

- The internal coating applied to the submitted valves is a fusion bonded epoxy (FBE) coating.
- The coating is specifically designed for potable water applications and complies with the requirements of AWWA C550 and Saudi Aramco Engineering Standards SAES-S-133.
- The dry film thickness (DFT) of the epoxy coating is ≥ 300 microns, as verified by the manufacturer's quality control process.



APPLICATIONS

- Water treatment
- Water supply and drainage
- Petroleum



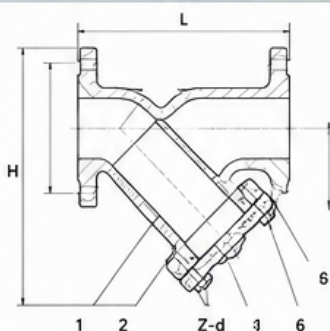
INSPECTION SPECIFICATIONS

Nominal Pressure	1.6 MPa
Seal Test Pressure	1.76 MPa
Shell Test Pressure	2.4 MPa
Suitable Media	Water
Suitable Temperature	-10 ~ 150°C

BARIQ Y-STRAINER 5000 FEATURES

- The body is ductile iron, high level than national standard. Tensile strength is 450Mpa, elongation is larger than 10%.
- The screen is 304 steel plate punching, rolling, leazer welding. It is protected with additional corrosion-resistant layers.
- Sealing gasket made of graphite material. Bariq Strainer designed to reduce the fluid resistance coefficient of the strainer. The diameter and length of the screen increased to increase the effective filtration area of the screen and reduce the pressure loss.
- The valve cavity becomes larger, and the circulation area between the screen and the inner wall of the valve body is more than half of the flow channel area, which effectively improves the utilization rate of the mesh at the back of the screen and reduces the pressure loss.

TECHNICAL DRAWING



- | | |
|---------------|--------------|
| 1 Body | 4 Cover |
| 2 Screen | 5 Cover Bolt |
| 3 Body Gasket | 6 Nut |

MATERIAL SPECIFICATION

No.	Part	Material
1	Body	GGG40
2	Screen	SS304
3	Body Gasket	Graphite
4	Cover	GGG40

MESH SIZE

DN50 Up To 150	1.5mm
DN200 Up To 350	2.5mm
DN400 Up To 600	3.5mm

COATING SPECIFICATIONS

Both inner and out part is epoxy coating, the thickness up to 250µm

DIMENSIONS (mm)

Part Number	DN	D	D1	DK	L	b	H	f	Z-d	Do	Weight (Kg)
S5050	50	165	125	99	150	20	231	3	4-19	200	9.0
S5065	65	185	145	118	170	20	258	3	4-19	200	15.0
S5080	80	200	160	132	180	23	286	3	8-19	200	18.0
S5100	100	220	180	156	190	24	315	3	8-19	250	21.0
S5125	125	250	210	184	200	24	348	3	8-19	250	34.0
S5150	150	285	240	211	230	26	380	3	8-23	250	47.0
S5200	200	340	295	266	230	30	500	3	12-23	340	82.0
S5250	250	405	355	319	250	31	573	3	12-28	380	125.0
S5300	300	460	410	370	270	31	663	4	12-28	400	195.0
S5350	350	520	470	429	290	34	751	4	16-28	450	267.0
S5400	400	580	525	480	310	36	831	4	16-31	450	372.0

Note: Flange drilling conforms to EN 1092-1, PN16/PN20.



RELIABLE
PERFORMANCE



DURABLE
DESIGN



CORROSION
RESISTANT



EASY
MAINTENANCE



HIGH
PERFORMANCE



www.barigroup.com
MADE IN SAUDI ARABIA

