FLOWRITE

PC Series

FLOWRITE ‘PC’ SERIES IN-LINE BASKET STRAINER.

FLOWRITE

www.germafrica.com
info@germafrica.com
Tel: 011 4350348

Flowrite “PC” series in-line basket strainers

The Flowrite “PC” series in-line basket strainers utilize modern engineering techniques to provide a strong, robust strainer with a maximum pressure rating of 1000 kPa. Flowrite “PC” series strainers are made from economical, durable carbon steel to ensure years of maintenance-free, reliable service.

They are fitted with uniquely designed, stainless steel, mesh-lined strainer baskets which are oversized for low operating pressure drop and maximum dirt holding capacity. One of the useful features of the “PC” strainer range is the unit’s cover which is secured by three simple and durable swing bolts to provide easy access to the strainer basket for cleaning.

Flowrite “PC” strainers are the economical, easy-to-use protection for pumps, valves, piping and reticulation systems.

* All flanges SABS1123 Table 1000/3

Model	Ports*	A	B	C	D	E
PC40	40 BSP	226	116	283	114	70
PC50	50 BSP	226	116	283	114	70
PC65	65 flgd	300	116	283	114	70
PC80	80 flgd	440	157	477	160	110
PC100	100 flgd	440	157	477	160	110
PC150	150 flgd	600	200	540	273	200

FEATURES AND BENEFITS

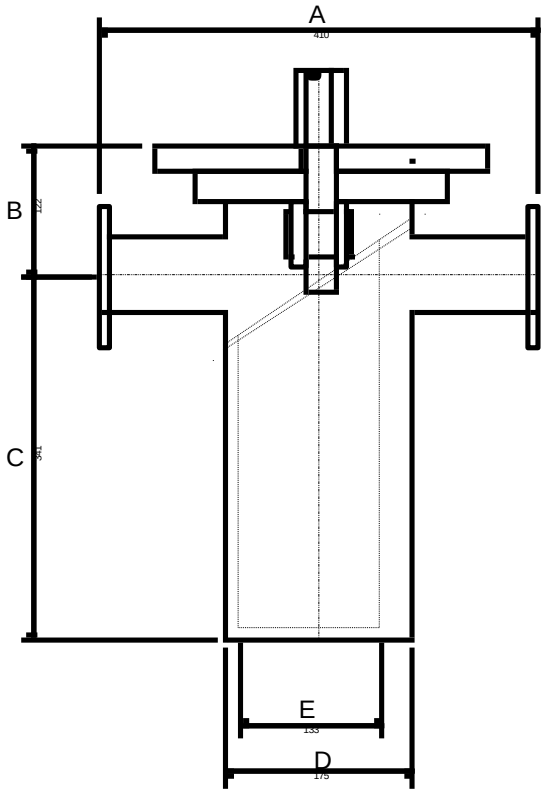
Carbon steel vessel
Economical and durable, painted externally in attractive “Hammertone” blue

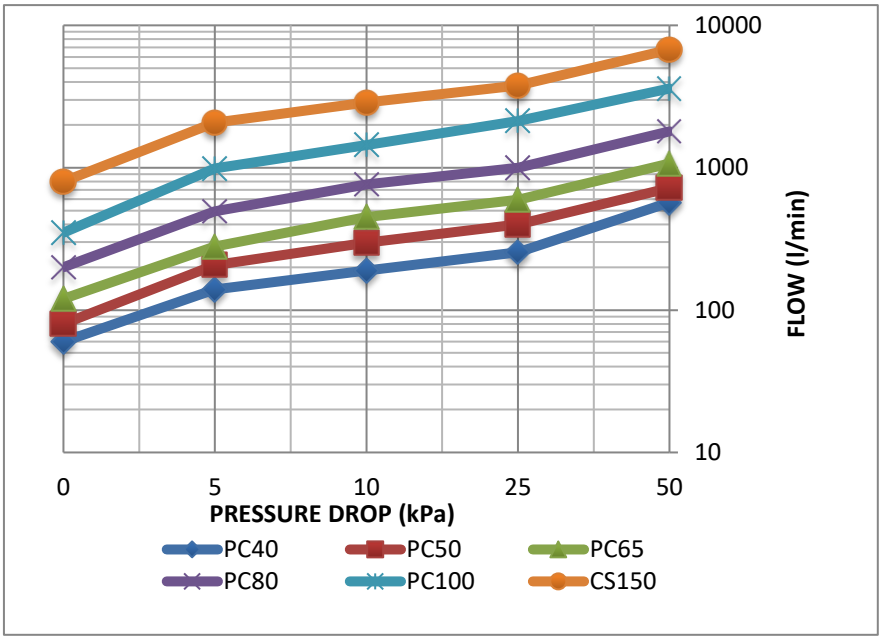
Swing-bolt closure
Quick access, no-special-tools access to the strainer baskets. Durable and robust

Oversized basket
Maximum service intervals and highest dirt holding capacity

In-line construction
Installs easily into existing lines

Mesh lined basket
Various micron ratings are available. Wash clean & re-use.





Correction factors

For mesh lined baskets on water, multiply pressure drop by:

40 mesh (420µm) – 1,2	**60 mesh (250µm) – 1,4**
100 mesh (149µm) – 1,7	140 mesh (105µm) – 1,8

For mesh lined baskets on liquids other than water, multiply pressure drop by:

Viscosity (cst)	40 mesh	60 mesh	100 mesh	140 mesh
500	1,9	2,1	2,6	2,9
1000	2,2	2,4	2,8	3,5
3000	2,6	2,9	3,5	4,2

INSTALLATION, OPERATING ANDMAINTENANCE INSTRUCTIONS

FLOWRITE "PC & PS" RANGE OF BASKET STRAINERS

INSTALLATION

1. Unit must be installed vertically
2. Unit is designed to be supported off the inlet and outlet flanges, and connecting pipework should therefore be suitably supported to ensure that the unit is securely positioned
3. Inlet and outlet piping must also be suitably supported to ensure no strain or distortion is imparted to the strainer. Inlet and outlet piping must be fitted with suitable valves to isolate the strainer for basket cleaning.
4. If required, piping/valving should be attached to the drain port to allow the waste during vessel draining to be led to a suitable disposal point
5. Pressure gauges with a suitable range should be connected to the inlet and outlet piping to make it possible to monitor pressure differential between inlet and outlet during operation.

OPERATING AND MAINTENANCE

1. The unit is designed to retain solids in the fluid flow in the basket while allowing the clean fluid to pass on downstream
2. The inlet will thus direct the flow into the throat of the basket. The flow is then through the walls of the basket to the outlet port.
3. During operation, the pressure drop across the filter (differential pressure) must be monitored by subtracting the reading on the outlet gauge from the reading on the inlet gauge. When or before this figure reaches 70 kPa, the basket must be cleaned.
4. To do this, close the inlet and outlet valves. Remove the cover by slacking the over bolts and swinging them out of the way. If desired, open the drain to allow the level of liquid in the vessel to drop until the vessel is about half-full. Remove the basket by lifting it vertically upwards.
5. The basket can then be cleaned, taking care not to damage the mesh filtration liner. Replace the clean basket into the housing.
6. The cover "O" ring must be greased with a product such as petroleum jelly before the cover is reinstalled. The cover "O" must be replaced if damaged. The cover bolts must be tightened evenly and securely.
7. Open the outlet valve, and then gradually open the inlet valve to allow the vessel to fill. Air in the vessel will be entrained and carried downstream by the fluid flow. When the vessel is full and flowing smoothly, open the inlet valve fully.