



“FCB” MULTI-BAG FILTER

“FCB” Multi-Bag filter housings have been designed and manufactured in South Africa to work with industry-standard double length filter bags or with our unique BIB-style filter bags. The range of “FCB” Multi-Bag filter housings is offered in many alternative configurations, with the standard being floor-mounting by means of integral legs, with horizontal inlet and outlet ports. They are made in 3-bag, 4-bag, 5-bag and 7-bag configurations.

Operating Pressure

The standard unit is suitable for 750 kPa operating pressure, and is tested to 1000 kPa. Higher pressure versions are available if required.

Materials of Construction

Standard material of construction for the “FCB” Multi-Bag range is all-304 stainless steel, but carbon steel or 316 stainless steel are also available to special order.

Carbon steel units are supplied untreated internally, and with primer and two coats of enamel paint externally. Stainless steel units are supplied in glass bead blast, matt industrial finish. In all cases, the internal bag-retaining basket is in 304 stainless steel.

Cover Securing Mechanism

Standard “FCB” Multi-Bag housings are supplied with swing-bolted covers which, together with the integral cover-lifting davit arm, enables quick-release of the filter cover for bag changeout.

Connections

The “FCB” Multi-Bag range of bag filter housings can be ordered with various sizes of inlet and outlet connections to suit the flow rate required. Generally, they are not supplied with ports smaller than 150mm NB or larger than 250mm NB

Accessories

All “FCB” Multi-Bag filter housings are supplied with:

- 1 x vent (1/2" BSP plugged socket)
- 1 x drain (1" BSP plugged socket)
- 2 x gauge ports (1/4" BSP plugged sockets)

Filter Bags

“FCB” Multi-Bag housings accept any industry-standard #2 (“double length”) filter bag or our unique BIB-style filter bag for even higher flow rates. Best seal is obtained by using bags having moulded plastic bag-to-housing seal rings. For higher temperatures, bags with wire ring seals can be used. All Multi-Bag housings are fitted with a bag-lock device to ensure the best possible bag-to-housing location and seal.

Flow Rate

Standard #2 needlefelt bags can accommodate a water flow rate of up to 30 m³/h per bag and BIB-style bags can accommodate a max flow rate of 60 m³/h per bag. Thus for example, the maximum flow rate of a 7-bag Multi-Bag housing fitted with 7 x BIB-style bags, would be 420 m³/h use only in water-based applications. In addition to being cleaned by on-line purging, the basket can also be removed for periodical manual cleaning if necessary.

Flexibility of Design

Because the “FCB” Multi-Bag range of bag filters is designed and made in South Africa, purpose-made versions can be manufactured on short lead-times and with little price penalty. Heating jackets, high-pressure designs, non-standard port orientation and duplexed units for continuous flow are all examples of what is possible.

Ordering Information

FCB-7-B-H-B-250F

