



Reverse Osmosis Systems FK Series

for borehole Water

There are occasions when simple filtration or basic mineral reduction of borehole water is not enough. It is specifically for these situations that the FK range of RO units have been designed.

Many available underground water sources such as boreholes or deep wells, if treated appropriately, can be utilised for potable or industrial water processes. Often only simple filtration or mineral reduction or conditioning is all that is needed, but sometimes quite sophisticated treatment process, such as total mineral elimination may be the only option.

Depending on the raw water chemistry and process requirements, direct treatment of the water ***without the need for other pre-treatment or filtration*** could provide the desired quality.

The FK Series have been specifically designed for this purpose. Providing total mineral elimination and with modular selection the FK series can produce almost limitless flow rates of up to 200 m³/h.

PRODUCT RANGE

Model	Capacity Permeate at 15° C	Required Inlet Flow and Pressure	Membrane Pressure	Electrical Power	
				Installed	Consumed
FK01.404	1.0 m ³ /hr	2.60 m ³ /hr at 4.6 bar	7.80 bar	3.0 kw	2.3 kw
FK02.404	2.1 m ³ /hr	5.20 m ³ /hr at 4.7 bar	7.50 bar	3.0 kw	2.4 kw
FK03.404	3.1 m ³ /hr	7.80 m ³ /hr at 4.9 bar	7.30 bar	3.0 kw	2.4 kw
FK04.404	4.2 m ³ /hr	10.40 m ³ /hr at 4.6 bar	7.80 bar	4.0 kw	3.4 kw
FK05.404	5.2 m ³ /hr	13.00 m ³ /hr at 5.3 bar	7.50 bar	5.5 kw	4.2 kw
FK06.404	6.3 m ³ /hr	15.60 m ³ /hr at 5.3 bar	8.10 bar	7.5 kw	5.3 kw
FK08.404	8.4 m ³ /hr	21.00 m ³ /hr at 4.2 bar	8.30 bar	11.0 kw	6.6 kw
FK10.404	10.4 m ³ /hr	20.80 m ³ /hr at 4.4 bar	8.30 bar	11.0 kw	6.6 kw
FK12.404	24.0 m ³ /hr	24.00 m ³ /hr at 4.3 bar	8.50 bar	11.0 kw	7.5 kw

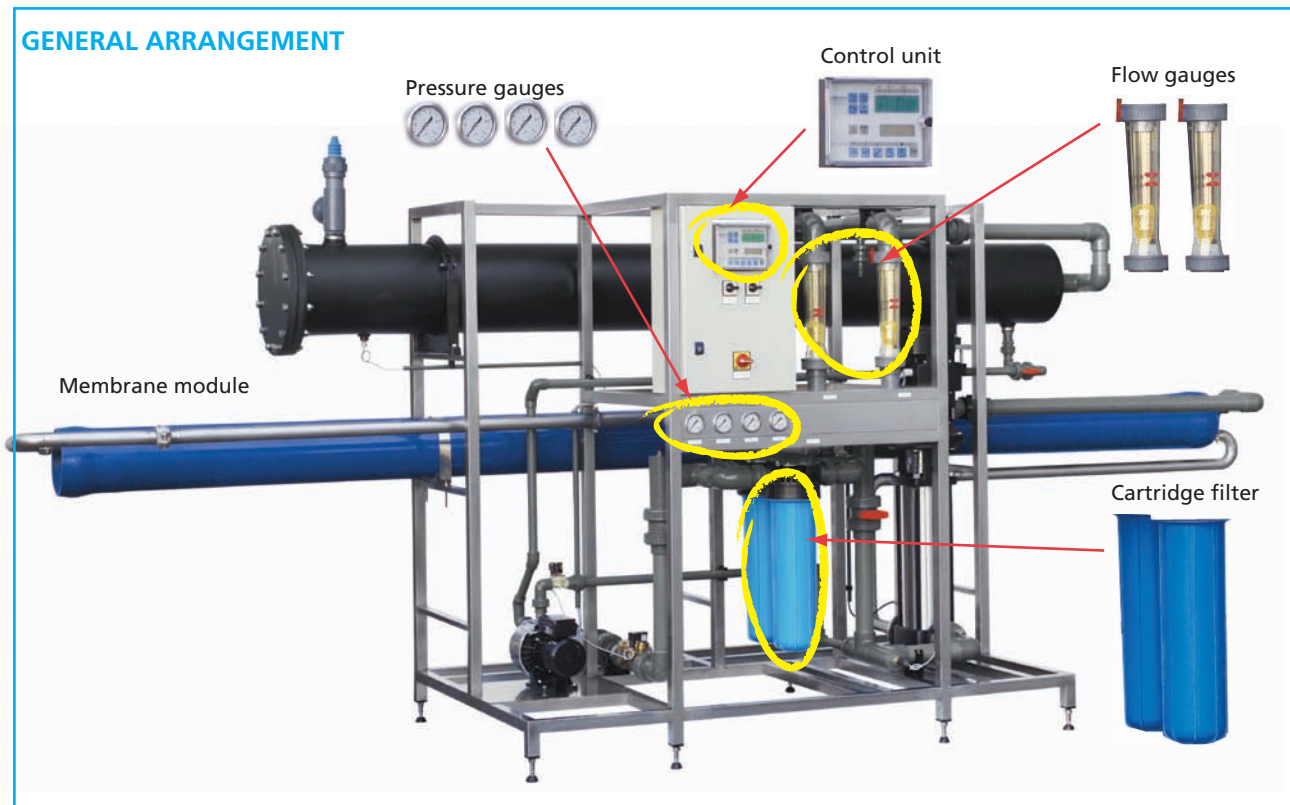
TECHNICAL DATA

Electrical connections
400V 3 Phase 50 Hz

Typical performance

Recovery:
40% for models FK01.404 to FK08.404
50% for models FK10.404 and FK12.404

GENERAL ARRANGEMENT



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