



BRIO ROBUST PRO REVERSE OSMOSIS FILTER

APPLICATION:

Coffee houses, cafés, restaurants, private houses

KEY FEATURES:

- Provides perfect water for coffee by adding calcium and magnesium (in accordance with the SCA standards)
- Recovery rate 50% — filter is economical and environmentally-friendly
- Built-in pressure gauges indicating pre-filters and membrane conditions
- CE marked and confirmed to be safe in accordance with EC New Approach Directives

WATER FULLY COMPLIES WITH SCA (SPECIALTY COFFEE ASSOCIATION) STANDARDS

	ROBUST PRO	SCA ¹
Total hardness, GPG	2.9 - 3.5	2.9 - 5.0
Bicarbonates, ppm HCO ₃	40 - 70	40 - 75
pH	6.7 - 7.3	6.5 - 7.5
TDS, ppm	60 - 120	75 - 250

¹ The SCA Water Quality Handbook

SPECIFICATION:

Code	Capacity ² , GPD	Flow rate, GPM	Power supply	Power consumption, HP	Pump capacity, GPD
UROBUST500PRO	500 - 600	0.35 - 0.40	115 V / 230 V, 60 Hz	0.11	300

² At 25 °C feed water temperature, TDS 1000 PPM

COMPONENTS:

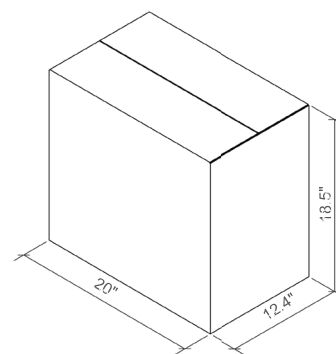
- ROBUST PRO reverse osmosis filter
- Connection fittings pack
- Service wrenches
- User manual

FILTRATION TECHNOLOGY:

- 5 micron PP sediment filter
- GAC coconut shell carbon filter
- 500GPD 3012 RO membrane element
- Special ROBUST PRO filter
- CTO carbon post-filter

SIZE AND WEIGHT

Approx. weight (bare system / in box)	20 lbs	22 lbs
Dimensions (bare system, W × D × H)	16.2 × 12 × 16.5 inch	
Dimensions (carton box, W × D × H)	20 × 12.4 × 18.5 inch	



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Code	Product	Membrane	Pieces on pallet
UROBUST500PRO	Brio ROBUST PRO reverse osmosis filter	1 x 3.0"x12"	24

ROBUST PRO REPLACEMENT FILTERS

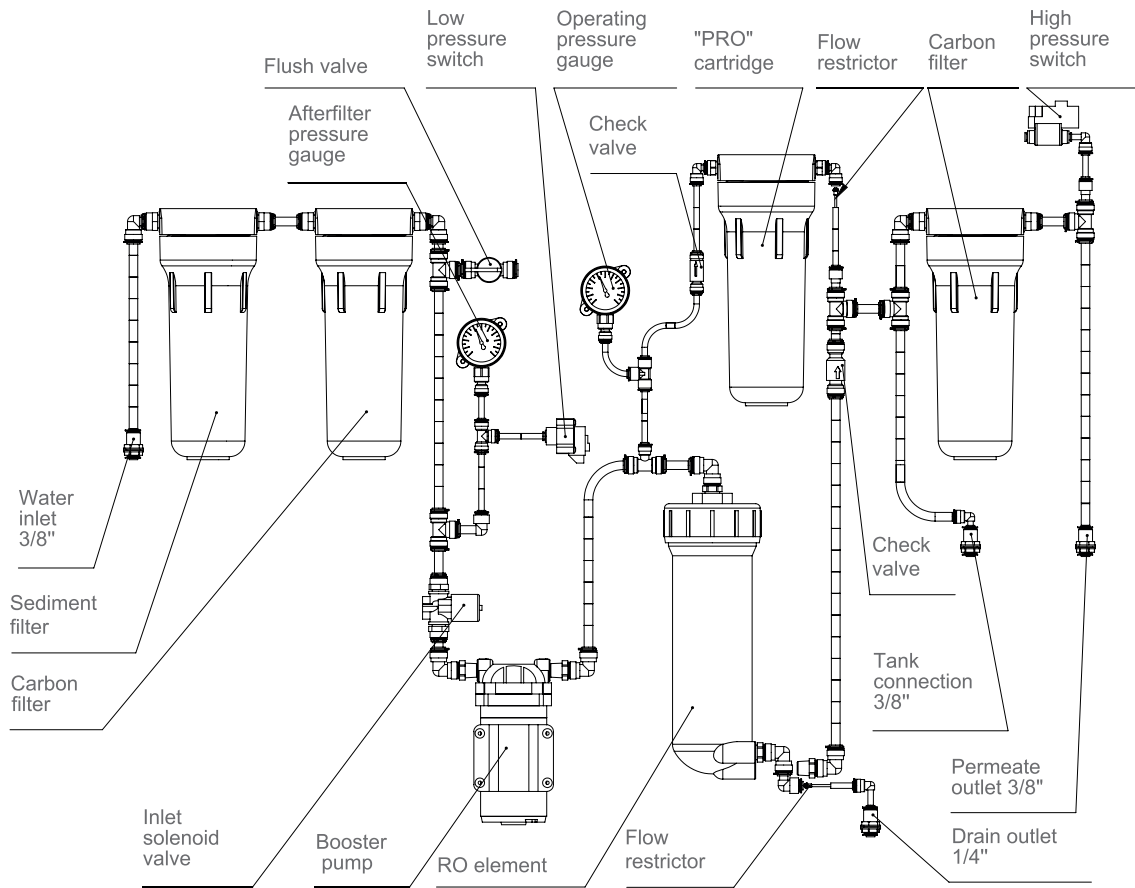
Code	Product
RF4PKROBUST	Replacement filters 4-pack: Sediment 5-micron, GAC, PRO filter, CTO post-filter
RFROM3012500	500 GPD membrane element
RFROM3012600	600 GPD membrane element

FEEDWATER REQUIREMENT

Parameter	Value ¹	
	UROBUST500PRO	UROBUST500, UROBUST1000
pH	6.5 – 8.5	
TDS, ppm	250-500	< 750
Total hardness	100 – 400 ppm CaCO ₃	< 500 ppm CaCO ₃
Alkalinity	100 – 200 ppm CaCO ₃	< 325 ppm CaCO ₃
Active chlorine, ppm	0.5	
Total iron, ppm	0.3	
Total manganese, ppm	0.05	
Chemical oxygen demand, ppm O ₂	< 5	
Total microbial count (TMC), (CFU per 1 mL)	< 100	
E. coli (CFU per 100 mL)	None	

¹ If feedwater quality does not meet specified requirements, membrane and filter service life may decrease. If aiming to purify raw water (well water/ground water, etc.), it is recommended to carry out detailed water analysis. If any constituents exceed the above limitations, it is advisable to install a special filter upstream of your reverse osmosis system. Consult a professional water treatment specialist for proper selection of an appropriate filter for your water.

P&ID SCHEME



This system should not be fed by a softened water. The inlet water TDS should be above 250PPM and Hardness above 2.9GPG. NOTE: Production and quality of reverse osmosis-purified water produced is dependent upon inlet water quality, water temperature, quality of water pre-treatment, consumption rate, operating conditions, and the manufacturer's membrane specifications. Regular servicing by a professional and timely filter replacements are highly recommended for optimal performance.