

Standard mixed bed

Demineralizer mixed bed



ION EXCHANGE

DEMINERALIZATION

STANDARD DEMINERALIZER



- Ion exchange for demineralization from 25 to 200 liters of resin.
- Service flow rate from 250 to 3000 l/h.
- Possibility of parallel assembly to obtain higher flow rates: 6, 9, 12... m³/h.
- Mixed bed ion exchange resins balanced on exchange capacity
 - 40% strong cation form H⁺
 - 60% strong anion form OH⁻
- Quality produced: 10 M-Ohms with one mixed bed - > 15 M-Ohms with two mixed bed in series.
- Stand alone or skid mounted assembly.

DEMINERALIZER DELIVERED WITH

- Composite resin tanks with internal PE liner.
- Distribution head with top and bottom nozzles.
- Mixed bed ion exchange resins.
- Union fittings.
- Options :
 - Resistivity meter with configurable alarm set point.
 - Stainless steel assembly skid.

APPLICATIONS

Production of highly demineralized water from municipal water.

Polishing of reverse osmosis or pre-demineralized water.

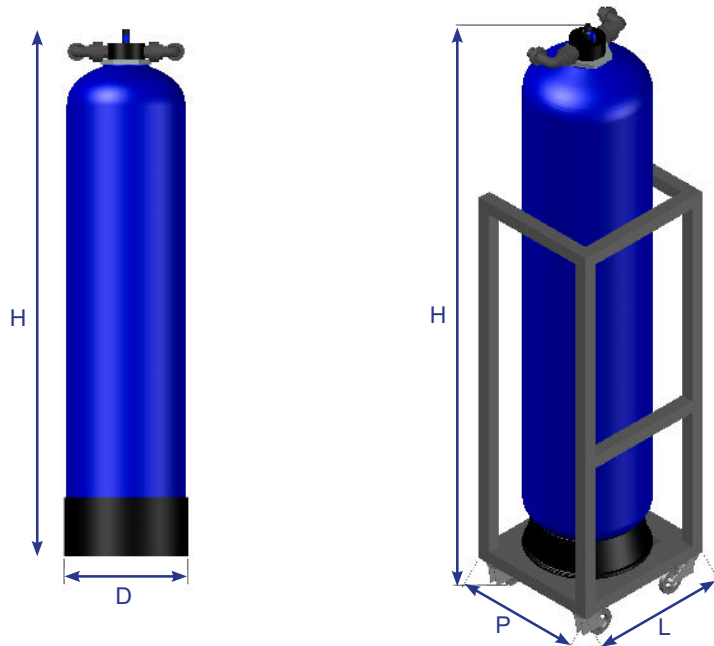
Demineralizers mixed bed

TECHNICAL CHARACTERISTICS

Resin tank	Resin	Nom. flow rate	Configuration	Fittings	Capacity
Type	Liter	l/h		union	°F
09 x 35	25	250	Stand alone	DN20	50
10 x 54	50	500	Stand alone	DN20	100
13 x 54	75	1200	Stand alone	DN20	150
14 x 65	125	1800	Skid mounted	DN25	250
16 x 65	150	2250	Skid mounted	DN25	300
18 x 65	200	3000	Skid mounted	DN25	400

Service pressure : 2.5 to 6.0 bar

Temperature : 2 to 40°C

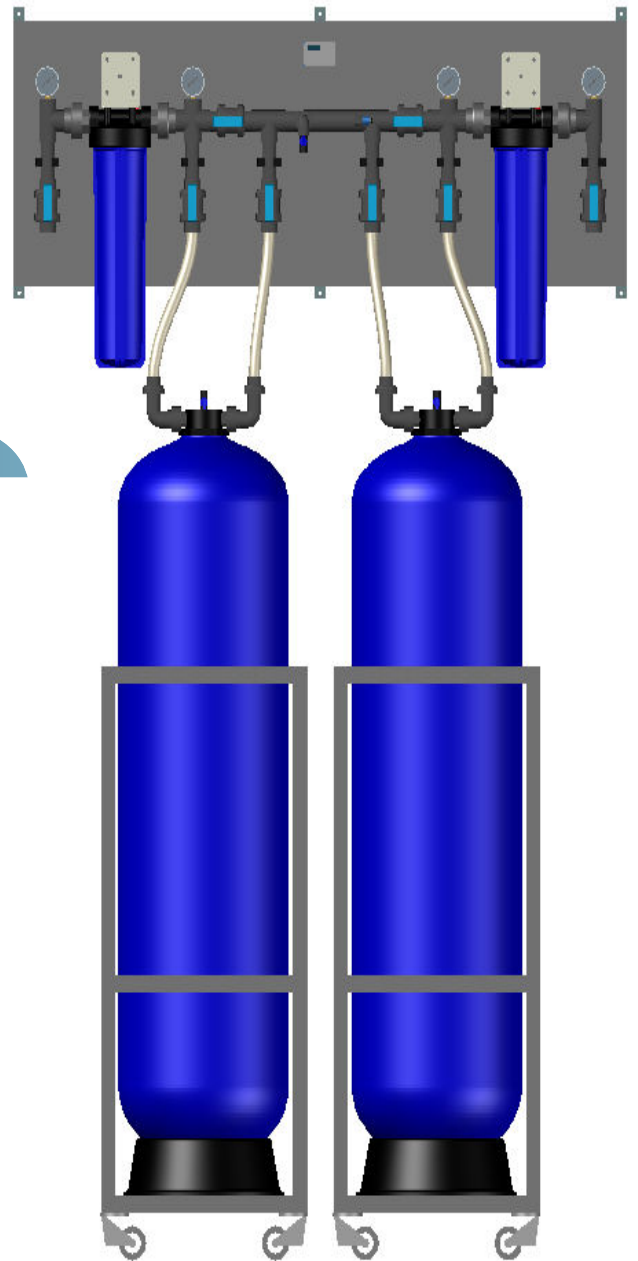


DIMENSIONS AND REFERENCES

Tank			Skid version		
References	Diam (mm)	Height (mm)	References	Skid	Height (mm)
	D	H		L x P	H
MB-25	242	904	MB-25-SKID	340 x 320	1000 (+10mm with wheels)
MB-50	267	1467	MB-50-SKID	400 x 380	1650 (+10mm with wheels)
MB-75	349	1499	MB-75-SKID	460 x 420	1650 (+10mm with wheels)
			MB-125-SKID	160 x 420	1915 (+10mm with wheels)
			MB-150-SKID	590 x 460	1947 (+10mm with wheels)
			MB-200-SKID	590 x 540	1953 (+10mm with wheels)

Note :
 Add **-Ohms** to the reference for resistivity-meter.
 Add **-R** to the reference for wheels (only for SKID version)

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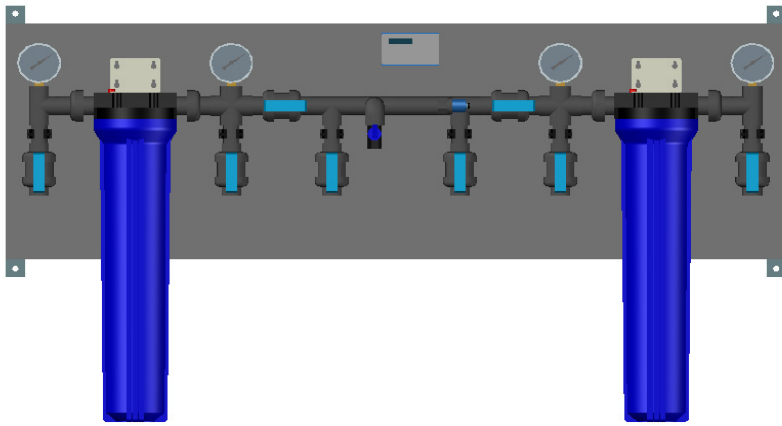


FILTER PANEL INCLUDING

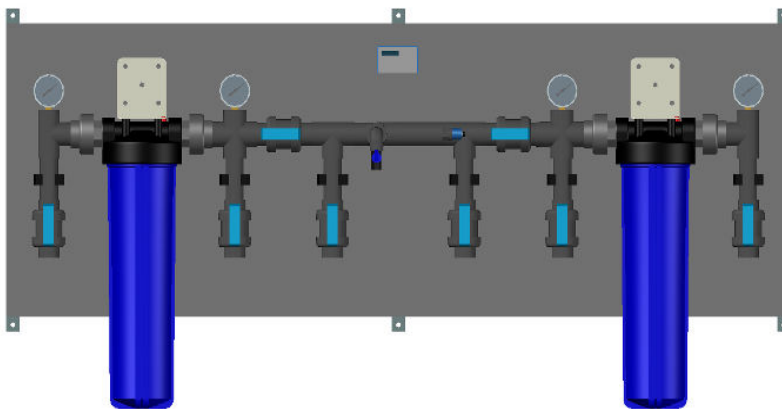
- Isolation valve
- First stage of 20µm industrial or Big Blue resin protection filtration
- Inlet/outlet pressure manometer 0-10 bar D.63 stainless steel
- Bypass set for each bottle
- Resistivity measurement (optional)
- Second stage 10µm industrial or Big Blue filtration for fine resin leakage security
- Inlet/outlet pressure manometer 0-10 bar D.63 stainless steel
- Isolation valve
- Set on a stainless steel fram with wall mounting eyelet and PVC plate

CHARACTERISTICS						
TYPE OF BOTTLE	9x35"	10x54"	13x54"	14x65"	16'65"	18x65"
VOLUME OF RESIN	25L	50L	75L	125L	150L	200L
CONNECTION E/S	DN20	DN20	DN20	DN25	DN25	DN25
TYPE OF PRE-FILTRATION 20µm	industrial	industrial	industrial	Big Blue	Big Blue	Big Blue
TYPE OF FINE FILTRAITON 10µm	industrial	industrial	industrial	Big Blue	Big Blue	Big Blue
PANEL DIMENSIONS (LxIxp)	1210 x 460 x 280 mm			1750 x 660 x 360 mm		

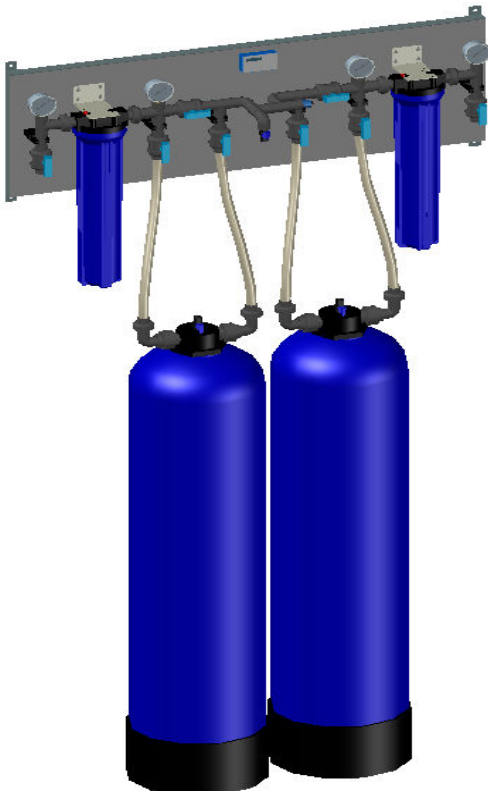
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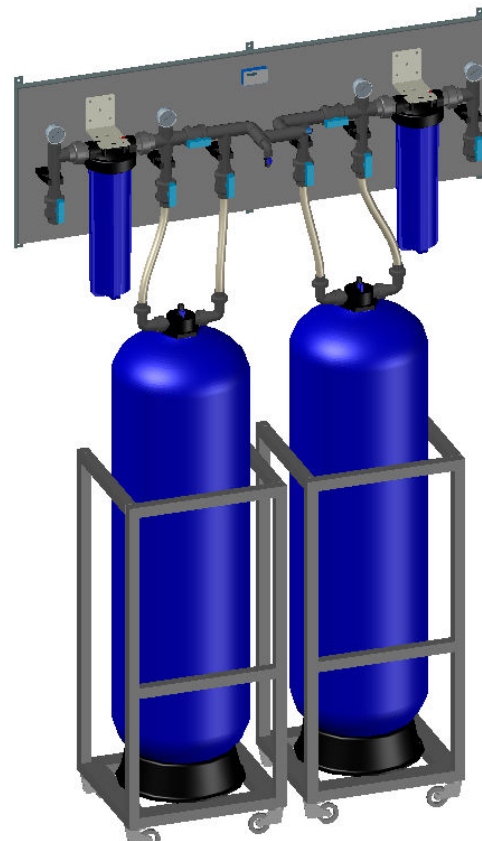
Panel DN20



Panel DN25



Floor-standing unit with panel DN20



Roller skid assembly with DN25 panel



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