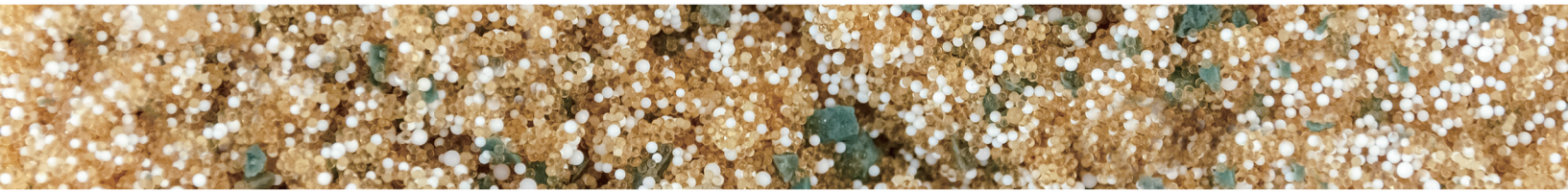


HYPERMIX[®]

MEDIA INNOVATION FOR WATER FILTER



THE BEST SOLUTION FOR 5+1 WATER PROBLEMS

- ★ Water Hardness
- ★ Iron, ferrous form and organic form
- ★ Manganese
- ★ Natural organic matter, including Tannins
- ★ Ammonium
- ★ Heavy metals



Lanlang® HYPERMIX® is a proprietary composite media designed to solve the water problems. Combined with 5 premium-grade materials, HYPERMIX works effectively in well water and municipal water within the allowable concentrations of hardness, iron, manganese, ammonium and natural organic matter. Also HYPERMIX can be easily regenerated as the same steps as water softener.

RAW WATER QUALITY REQUIREMENT AND PURIFICATION EFFICIENCY

Raw water limitations		Max. Efficiency		
		HYPERMIX Eco	HYPERMIX	HYPERMIX Plus
Hardness(as CaCO ₃)	750 ppm	97%		
Iron	15 ppm	98%		
Manganese	3 ppm	98%		
Oxidation(as O ₂)	--	5 ppm	20 ppm (Reduces by 50%)	20 ppm (Reduces by 85%)
Ammonium	4 ppm	90%		

* HYPERMIX is not designed for the treatment of surface water (lakes, ponds, rivers, swamps etc).

* HYPERMIX can not treat microbiologically unsafe water.

* HYPERMIX is recommended be used after sediment pre-filter.

* HYPERMIX is not recommended be used with resin cleaner and chemicals.

SUGGESTED OPERATING CONDITIONS

No.	ITEM	SPEC
1	Max operating temperature	40 °C
2	PH range	5-10
3	Minimum bed depth	500 mm
4	Optimum bed depth	800 mm
5	Service flow rate	20 - 25 m/h
6	Backwash flow rate	10 - 15 m/h
7	Regeneration flow rate	3 - 5 m/h
8	Rinse flow rate	20 - 25 m/h
9	Free bed volume	≥ 40%
10	Salt consumption	100 g/L
11	Brine concentration	8 - 10%
12	Water consumption per regeneration	≤ 10L/L
13	Active chlorine	≤ 1 ppm
14	TDS	≤ 4000 ppm

TECHNICAL SPECIFICATION

