

FILTER APPLICATIONS

	Backwash** Flow Rate gpm/ft. ² (ml/min/cm ²)	Service Flow Rate gpm/ft. ² (ml/min/cm ²)	Recommended Bed Depth inches (cm)	Bed Expansion/ Freeboard as % Bed Depth	Weight lbs./cu. ft. (grams/liter)	Regenerant Required per cu. ft. (m ³)	ph Range
Manganese Greensand for Iron Removal	8 - 12 (33 - 49)	5 (20)	30 (76)	35 - 50%	85 (1,362)	2 - 4 oz. KMnO ₄ (1.6 - 3.2 grams)	7.0 or higher
Regular Birm* for Iron Removal	10 - 12 (41 - 49)	5 (20)	30 - 36 (76 - 91)	35 - 50%	48 (769)	None	7.0 or higher
Activated Carbon for Taste & Odor Removal	8 - 10 (33 - 41)	5 (20)	30 (76)	35-50%	33 (529)	None	Wide Range
Filter - Ag. for Sediment (Turbidity) Removal	8 - 10 (33 - 41)	5 (20)	24-36 (61 - 91)	50%	25 (401)	None	Wide Range
Filter Sand for Sediment (Turbidity) Removal	12 - 15 (49 - 61)	3 - 5 (12 - 20)	24 - 30 (61 - 76)	35 - 50%	100 (1,602)	None	Wide Range
	Sand is also used for High Rate Sand Filters with Service Rates of 15-20 gpm/sq. ft. and backwash at the same rate.						
Calcite for Ph correction	8-12 (33-49)	3-6 (12-25)	24-30 (61-76)	35%	100 (1,602)	None	5-6.5
MTM for down manganese and Hydrogen Sulphur removal	8-10 (33-41)	3-5 (12-20)	24-36 (61-91)	50%	27 (432)	1.5-2 oz. (1.25-1.6 grams)	6.5-9.0
Corosex for Ph correction	8-12 (33-49)	5-6 (20-24)	24-30 (61-76)	35%	100 (1,602)	None	4-6Ph

BRASS BY-PASS VALVES

HOUSE PORTS ON 1.875" CENTERS

EQUIPMENT PORTS ON 3" CENTERS

FIG. NO.	DESCRIPTION	PRICE
43535	3/4 CopxCop Bypass	
57772	3/4 SlipxThrd Bypass	
57773	1 SlipxThrd Bypass	
51699	1 CopxCop Bypass	
47622	3/4 ThrdxThrd Bypass	
64348	3/4 CopxAutotrol Bypass	
64349	1 CopxAutotrol Bypass	
34090	Thrd Manual Filter Valve	
47784	Thrd Bypass Vlv 7700112	
53555	Thrd Bypass Stem 0790061	