FLECK® 2850
COMMERCIAL CONTROL VALVES

IDEAL FOR SMALL COMMERCIAL AND INDUSTRIAL APPLICATIONS

FEATURES/BENEFITS

Lead-free brass valve body for superior strength and durability

Continuous service flow rate of 46 GPM with a backwash of 47 GPM

Backwash capability accommodates softener tanks up to 36" and filters up to 24" in diameter

Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system

Designed for single or multiple tank systems

Environmental protective cover for water resistance, corrosion resistance, and UV stability

Time-tested, hydraulically-balanced piston for service and regeneration

Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

OPTIONS

Filter or softener control valves

No hard water bypass2t,/g3 bos

VALVE SPECIFICATIONS

Valve Material	Lead-free brass*
Inlet/Outlet	1-1/2" NPTF/BSPF
Cycles	3 or 5

FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous 15 psi drop	46 GPM (10.4 m^3/h)
Peak 25 psi drop	60 GPM (13.6 m^3/h)
Cv flow at 1 psi drop	12
Max. Backwash 25 psi drop	47 GPM (10.7 m^3/h)

REGENERATION

Downflow/Upflow	Downflow only
Adjustable Cycles	Yes
Time Available	
Electromechanical:	0 - 164 min/regeneration
SXT:	0 - 199 min/cycle
NXT:	0 - 240 min/cycle
XT:	0 - 240 min/cycle

METER INFORMATION

Meter Accuracy	
1" Paddle:	0.7 - 40 GPM ± 5% (0.16 - 9 m^3/h)
1-1/2" Paddle:	1.5 - 75 GPM ± 5% (0.34 - 17 m^3/h)
1-1/2" Turbine:	2 - 40 GPM +5/-8% (0.45 - 9 m^3/h)
Meter Capacity Range	
1" Standard:	310 - 5,270 gal (1.2 - 20 m^3)
1" Extended:	1,550 - 26,350 gal (6 - 100 m^3)
1-1/2" Standard:	625 - 10,625 gal (2.5 - 40 m^3)
1-1/2" Extended:	3,125 - 53,125 gal (12 - 200 m^3)
SXT:	1 - 999,900 gal (0 - 3,785 m^3)
NXT:	1 - 9,900,000 gal (0 - 37,476 m^3)
XT:	1,000 - 9,900,000 gal (3.8 - 37,476 m^3)

DIMENSIONS

Distributor Pilot	1.9" O.D. (50 mm)
Drain Line	1" NPTM
Brine Valve	
1600 or 1650:	3/8"
1700 or 1710:	1/2"
Injector System	1600 or 1700
Mounting Base	4"– 8 UN
Height from Top of Tank	6.5" (165 mm)
Riser Tube Diameter	1-1/2" (38 mm)
Riser Height	1/4" Below top of tank

TYPICAL APPLICATIONS

Water Softener	14 - 36" diameter
Filters	14 - 30" diameter based on 10 GPM/ft^2

ADDITIONAL INFORMATION

Electrical Rating	24/110/220V 50/60 Hz
Estimated Shipping Weight	
Time Clock:	7 lbs
Metered Valve:	10 lbs
Pressure	
Hydrostatic:	300 psi

PENTAIR

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