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## Fleck Model: 2850



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## Features

### Valve Specifications

|                |                     |
|----------------|---------------------|
| Valve Material | Lead Free Brass     |
| Inlet/Outlet   | 1-1/2" NPT (Female) |
| Cycles         | 5                   |

### Flow rates (50 PSI Inlet) - Valve Alone

|                            |        |
|----------------------------|--------|
| Continuous (15 PSI Drop)   | 51 gpm |
| Peak (25 PSI Drop)         | 66 gpm |
| CV**                       | 13.2   |
| Max.Backwash (25 PSI Drop) | 49 gpm |

### Regeneration

|                 |             |
|-----------------|-------------|
| Downflow/Upflow | Downflow    |
| Adjustable      | Yes         |
| Time Available  | 164 minutes |

### Meter Information



- Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill and downflow service
- Time-tested hydraulically balanced piston, seal and spacer design to pilot service flow and regeneration
- Solid lead-free brass valve body for superior strength and durability
- Backwash capacity handles tanks up to 30" diameter
- 1-1/2" top mount control valve ideal for smaller size commercial/industrial applications
- Consistent brining regardless of salt levels with timed brine refills
- Choice of 7 or 12 day clock, manual or meter
- Continuous flow rate of 51 GPM with a backwash of 49 GPM
- Ideal for filter applications

## Options

- Meter initiated regeneration
- Backwash filter
- No hard water bypass piston
- Environmental cover
- Electronic timer, ET or Systemax
- Hot water (time clock 180°F; metered valve 150°F)
- Manual operation
- Service valve operator
- Auxiliary switch
- Side mount

|                       |   |
|-----------------------|---|
| Meter Accuracy Range: | 0.7 - 40 gpm +/- 5% (1")<br>1.5 - 75 gpm +/- 5% (1-1/2")  |
| Meter Capacity Range: | 1" Standard: 310 - 5,270 gallons<br>1" Extended: 1,550 - 26,350 gallons<br>1-1/2" Standard: 325 - 10,625 gallons<br>1-1/2" Extended: 3,125 - 53,125 gallons |

## Dimensions

|                         |                       |
|-------------------------|-----------------------|
| Distributor Pilot       | 1.5" Pipe I.D.        |
| Drain Line              | 1" NPT (Male)         |
| Brine Line              | 3/8" (1/2" available) |
| Mounting Base           | 4"-8 UN               |
| Height from top of tank | 6-1/2"                |

## Tank Application: Can Regenerate/Backwash the Following

|  |                  |
|--|------------------|
| Water Softener                                   | 10"-30" diameter |
| Iron, Sediment, Carbon, and Neutralizing Filters | 10"-24" diameter |

## Additional Information

|                   |   |
|-------------------|---|
| Electrical Rating | 24V,110V,220V - 50Hz, 60Hz                    |
| Pressure          | Hydrostatic: 300 psi<br>Working: 20 - 125 psi |
| Temperature       | 34° - 110° F                                  |





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