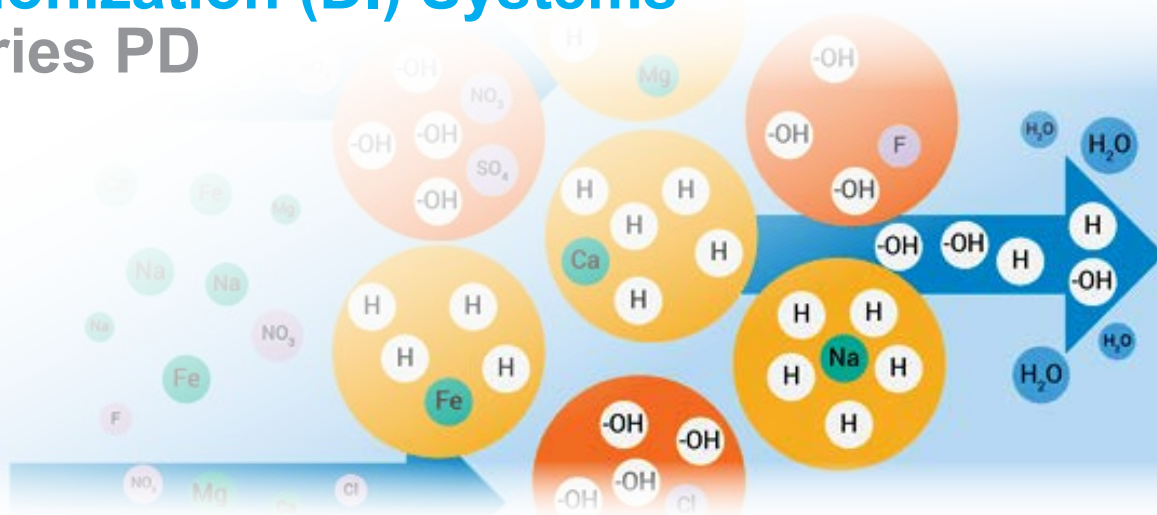


## Deionization (DI) Systems Series PD

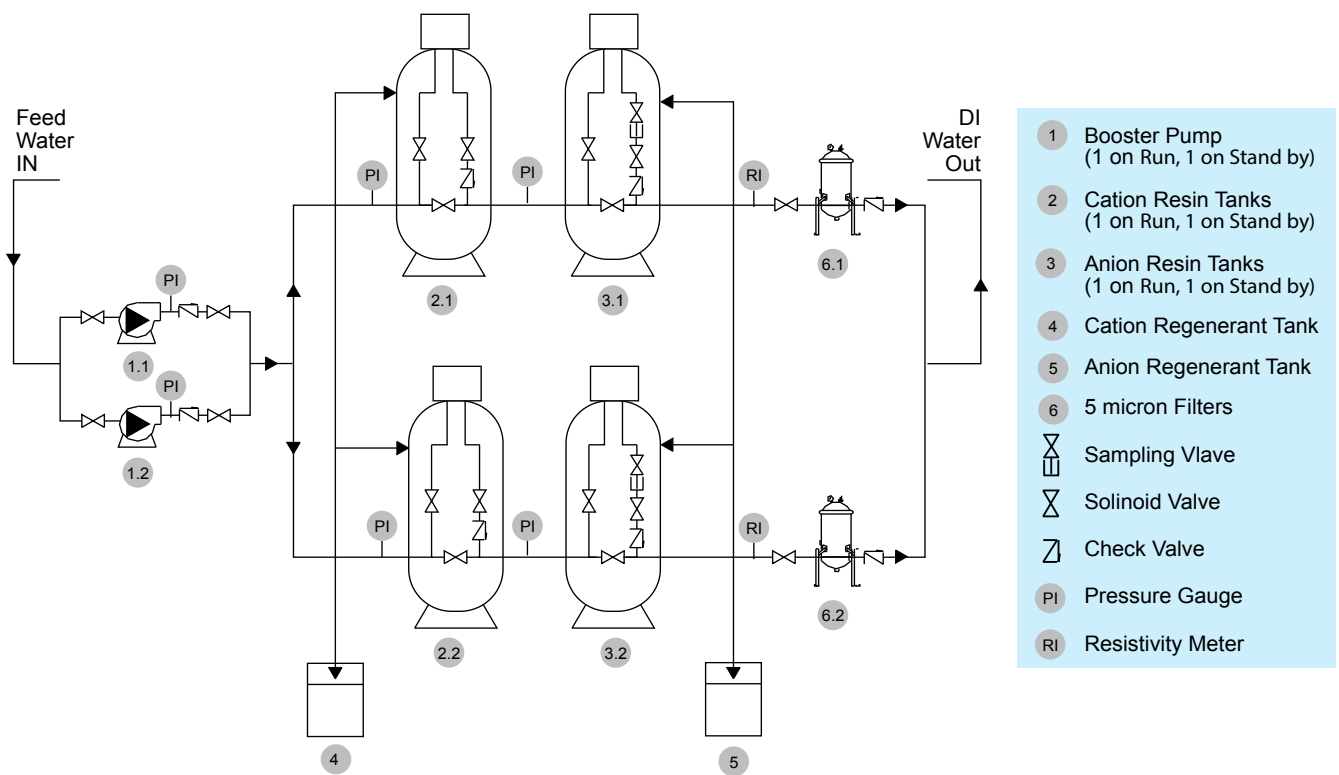


### Features:

- For Dionized water with Resistivity > 1 MΩ-cm or Conductivity < 1 µS/cm
- Capacity of 5 - 100 m<sup>3</sup>/hr
- Duplex systems are available, No uninterrupted flow of DI water, One Run One Regenerate
- High grade DI Resin from Lewatit, Germany
- Automatic resin regeneration, regeneration tank included
- Industrial grade SS400 tank with epoxy coated, No stain and no leakage
- Continuous monitoring of conductivity or resistivity for water quality
- Automatic valves system
- Sampling port for system check
- Microfiltration system with down to 5µm for less turbidity
- Factory tested to insured quality
- 1 year warranty



## Duplex Dual-Bed DI System Flow Diagram



## Applications

- Paints
- Chemicals
- Cosmetics
- Electronics
- Textiles
- Plating
- Ice Plants
- Printing
- Boiler feed
- Film processing
- Electrodeposition
- Metalworking lubricants
- Washes - cars to aircrafts
- Humidification control
- Testing and materials
- Research and development
- Glassware rinse
- Hospitals/Medical
- Horticulture/Greenhouse
- Food/Beverage processing



## Valves

- Butterfly valves with automatic pneumatic control for very less maintenance and long life
- UPVC material for corrosion resistance with pressure rating to 150 psi
- Choice of 2"- 4" with thread or flanged connectors
- SS316 butterfly valves, Piston valves and Ball valves are available.



## Controller

- Standard Control panel for automatic resin backwashing or regeneration
- Housing with IP65 standard, protected from dust and water spray
- LED display for working status
- LCD display for Conductivity or Resistivity as water quality
- PLC and HMI are available.



## DI Resin

- Lewatit resins are standard, PS-DVB in H+ or OH- form
- H+ form for cations removal and OH- form for anions removal
- High capacity for high efficiency
- Resin from other sources; Dow, Amberlite, Purolite are available.

Specification	Model									
	PD24	PD30	PD36	PD42	PD48	PD54	PD60	PD66	PD72	PD84
Resin Tank										
Material	SS400 with Epoxy coated									
Flow rate (m³/hr)*	5	10	20	30	40	50	60	70	80	100
tank volume (Litre)	450	700	950	1350	1700	2300	2600	3400	3800	5200
Resin volume (Litre)	300	450	600	900	1100	1500	1700	2200	2500	3400
Max pressure (psi)	150 psi									
Dimension (inch)	24 x 60	30 x 60	36 x 60	42 x 60	48 x 60	54 x 60	60 x 60	66 x 60	72 x 60	84 x 60
Feed water	RO water									
Regenerant Tank										
Material	Polyethylene									
Capacity (Litre)	500	500	700	1000	1500	1500	2000	2500	2500	3500
Valves										
Type	Butterfly, with pneumatic actuator									
Cotroller										
Type	Control panel									
Function	Automatic resin regeneration									
Power	380 Volt, 50Hz									
Warranty**	1 Year									

\* Upon Pump Pressure, \*\* Exclude resin

Ordering information										
DI Resin	Model									
DI Cation <sup>a</sup>	PD241	PD301	PD361	PD421	PD481	PD541	PD601	PD661	PD721	PD841
DI Anion <sup>b</sup>	PD242	PD302	PD362	PD422	PD482	PD542	PD602	PD662	PD722	PD842
Dual-Bed <sup>c</sup>	PD243	PD303	PD363	PD423	PD483	PD543	PD603	PD663	PD723	PD843
Duplex Dual-Bed <sup>d</sup>	PD244	PD304	PD364	PD424	PD484	PD544	PD604	PD664	PD724	PD844

a,b: DI cation resin tank or DI anion resin tank includes control valve, tubing & connectors and regenerant tank.

c: Dual-Bed Deionizer includes DI cation resin tank and DI anion resin tank with control valve, tubing & connectors and regenerant tank.

d: Duplex Dual-Bed Deionizer includes components as shown on flow diagram.  
Design, specification and materials subject to change without notice.

# Options



## Media Filters and Softeners

Anthracite : for Sediment Removal  
Manganese Green Sand : For Stain Removal  
Activated Carbon : for Organics Removal  
Resin : for Hardness Removal



## RO Systems

- Series PRO48, capacity of 1.5 - 3.0 m<sup>3</sup>/hr
- Series PRO88, capacity of 6-18 m<sup>3</sup>/hr



## Booster Pumps

For boosting the constant pressure to the filter tanks and offering smooth filtration and high efficiency. Consists of single or double pumps, diaphragm pressure tank, pump controller with pressure switch or float switch.



## Microfiltration Systems

Multi-Cartridge Filter and Housings provide a high quality solution for high-volume microfiltration up to 825 m<sup>3</sup>/hr. Ideal for use in post-filtration and more. SS304 or FRP housings fit standard 40" filter cartridges. Filters cartridges are nominal micron rating 1-50 micron.



## Ozone Systems

- Ozone can literally oxidize material in water 3,200 times faster than chlorine
- Ozone is the best choice for bacterial disinfection and inactivation of viruses.
- Ozone can precipitates iron, manganese, sulfides, nitrites and organometallics.
- Ozone can oxidize organics causing color, taste and odor problems, some detergents and pesticides, phenols, VOCs, turbidity control and micro flocculation of soluble organics.

Please request more information

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