

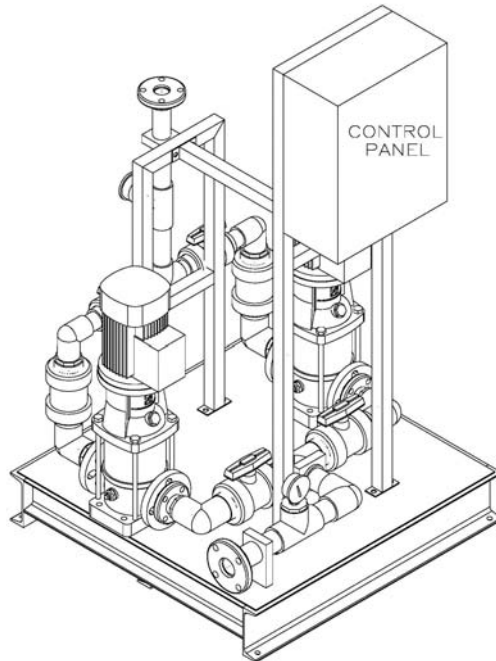
H₂O SS Selection Matrix

Distribution Pump Packs

Product Description/Equipment Specifications

FLEXIBILITY
LATITUDE
ENGINEERING
EXECUTION
EXCELLENCE

*Process Water Systems designed with ultimate **FLEXXIBILITY** in mind.*



Drawing is for illustration purposes only

Features:

- Fast delivery with pre-manufactured systems. Quick installation and start-up.
- Small footprint/skid-mounted system to reduce usage of valuable floor space.
- Optional VFD controlled pump(s) are available.
- UL and Seismic Zone 4 compliance to satisfy regional permitting regulations.
- Optional Control Panels are available containing a PLC. Refer to the H₂O SS Main Control Panel Selection Matrix for more information.

General Description:

FLEXX™ offers a complete line of Distribution Pump Packs sized from 4 to 145 gallons per minute. The Distribution Pump Pack designation refers to a factory assembled distribution pump system that is intended to deliver purified water to the Client's Point-of-Use.

The units come complete with an integrated disconnect control panel that allows safe operation of the system. Hand-Off-Auto switch with low voltage relay for level switch connection. The enclosure is gray, NEMA 4/12 steel construction. The client provides a source of power to the panel.

Powder-coated steel frames support the systems' major components. These frames are configured to provide maximum support for the Distribution Pump Pack components while allowing access for maintenance and operation. The Distribution Pump Packs are supplied as single skids. If more than one SS option is selected, they will be mounted on single skid.

The product plumbing is offered in a wide variety of piping materials and flow rates.

Distribution Pump Packs Component Selection Matrix

Select	Select	Select	Select	Select
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Select	Select	Select	Select	Select	Select
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EXAMPLE PART NUMBER

DPP	016	BPS	RTM	460
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EXAMPLE OPTIONS

SZD	X	X	X	X	X
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FIELD 1	Distribution Pump Pack	
	Code	Code Description
	SPP	Simplex Distribution Pump Pack-Non-VFD Pump The Simplex Distribution Pump Pack includes a control panel that provides Hand/Off/Auto operation of a single distribution pump. The distribution pump is NOT controlled by integral Variable Speed Drive (VFD).
	SPV	Simplex Distribution Pump Pack-VFD Pump The Simplex Distribution Pump Pack includes a control panel that provides Hand/Off/Auto operation of a single distribution pump. The distribution pump is controlled by integral Variable Speed Drive (VFD).
	DPP	Duplex Distribution Pump Pack-Non-VFD Pump The Duplex Distribution Pump Pack includes a control panel that provides Hand/Off/Auto operation of two (2) Distribution pumps. The Distribution pumps are NOT controlled by integral Variable Speed Drives (VFD).
	DPV	Duplex Distribution Pump Pack-VFD Pump The Duplex Distribution Pump Pack includes a control panel that provides Hand/Off/Auto operation of two (2) Distribution pumps. The Distribution pumps are controlled by integral Variable Speed Drives (VFD).

FIELD 2	Flow and Pipe Size:	
	Code	Code Description
		Enter the code for the desired treated water flow.
		Loop Supply Flow Rate GPM (LPM) @ 208' TDH (90 PSI)
	003	4 (15) @ 208' TDH (90 PSI)
	008	12 (45) @ 208' TDH (90 PSI)
	016	24 (91) @ 208' TDH (90 PSI)
	030	45 (170) @ 208' TDH (90 PSI)
	050	70 (265) @ 208' TDH (90 PSI)
	075	110 (416) @ 208' TDH (90 PSI)
	100	145 (548) @ 208' TDH (90 PSI)

FIELD 3	Pipe Material: Enter the code for the desired piping material.	
	Code	Code Description
	PVC	Schedule 80 PVC
	CPV	Schedule 80 CPVC
	BPS	Beta Polypropylene, Socket Fusion
	BPB	Beta Polypropylene, Butt Fusion
	NPS	Natural Polypropylene, Socket Fusion
	NPB	Natural Polypropylene, Butt Fusion
	PFS	PVDF, Socket Fusion
	PFB	PVDF, Butt Fusion
	BCF	PVDF, Bead and Crevice Free
SSS	Sanitary Stainless Steel, 316SS	

FIELD 4	Flow Instrument Enter the code for the desired flow instrument.	
	Code	Code Description
	RTM	Rotameter
	PDL	Paddle Wheel Flow Sensor

FIELD 5	Control Panel Enter the code for the desired control panel.	
	Code	Code Description
	115	115VAC/1PH/60HZ Disconnect Panel
	230	230VAC/3PH/60HZ Disconnect Panel
	460	460VAC/3PH/60HZ Disconnect Panel
	XXX	PLC Required. If this option is selected a part number from the H ₂ O SS Main Control Panel Selection Matrix must be submitted in addition to the Distribution Pump Pack.

FIELD 6	Additional Services: Enter the codes for the desired additional services.	
	Code	Code Description
	FSP	Factory System Passivation
	WHD	Welding Documentation
	SZC	Seismic Zone Wet Stamp
	SZD	Seismic Zone Drawings Only (Calculations by Others)
	BSI	Boroscope Inspection
	FSP	Factory System Passivation

PROCESS & INSTRUMENTATION DIAGRAM Duplex Configuration Shown

