

# Booster, Transfer & Variable Speed Pumps

*Self priming diaphragm pumps for a wide range of applications.*



To boost pressure and increase performance for residential reverse osmosis systems.

## Features

- Fully adjustable outlet pressure control
- Automatic regulation of outlet pressure
- Anti-vibration base plate
- Quiet operation

## Booster pumps

Part Number	Transformer	Electrical (Volts)	Fittings	Outlet Pressure	Ship Weight	No. / Case
CDP-6800	Required	115	1/4" J.G.	Adjustable	9 (Lbs)	1
CDP-8800	Required	115	3/8" J.G.	Adjustable	9 (Lbs)	1

**Note:** Pumps listed above require transformer and pressure switch. (See next page)

## Transfer/delivery pumps

Part Number	Flow Range (GPM)	Electrical (Volts)	Fittings	Shut-Off Pressure	Ship Weight	No. / Case
5852-7F12-J604	To 1.4	115*	3/8" J.G.	70 psi	9 (lbs)	1
5852-1E13-J574	To 0.6	115*	3/8" J.G.	70 psi	9 (lbs)	1
5853-1E10-A424	To 0.6	115**	3/8" J.G.	60 psi	9 (lbs)	1

**Note:** \*Comes with power cord. \*\*Requires TACS-114-48 transformer (See next page).

## Variable speed pumps (multiple location water transfer, varying psi)

Part Number	Flow Range (GPM)	Electrical (Volts)	Fittings	Shut-Off Pressure	Ship Weight	No. / Case
5853-GB12-V81D	0-1.3	115*	3/8" J.G.	40 psi	9 (lbs)	1
5853-GE12-V81D	0-1.3	115*	3/8" J.G.	60 psi	9 (lbs)	1
5502-IDN2-V77D	0.25-3.0	115*	3/8" Ports*	50 psi	9 (lbs)	1

**Note:** Comes with power cord. \* Ports only. QJS553 (3/8" tube) or QJS554 (1/2" tube) fitting required. (See pump accessories.)



## Permeate pump

Part Number	Electrical (Volts)	Fitting	Ship Weight	No. / Case
ERP-1000	Non Elec.	1/4" J.G.	2 (lbs)	1

# Pump Accessories & Saddle Valves

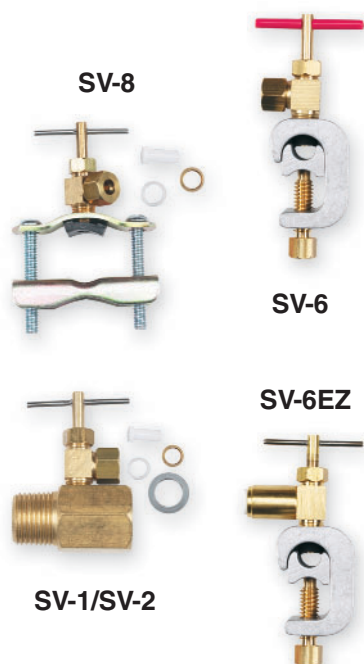
*Pump accessories, feed water & waste water saddle valves.*

## Pump Accessories

Part Number	Description	Pump	No. Per Case
PPC-1000	Permeate pump clip	ERP-1000	1
AFR-603	Auto flush valve	6800 & 8800	1
PSW-240	Tank psi switch, 1/4" J.G.	6800 & 8800	1
PSW-340	Tank psi switch, 3/8" J.G.	6800 & 8800	1
ESO-460-093	Electronic solenoid valve	6800 & 8800	1
LPS	Low pressure switch	6800 & 8800	1
TLC-DC	Tank level controller	6800 & 8800	1
TAS-114-19-EP1	115V transformer, 0.8 AMP	6800	1
TAS-234-19EP	230V transformer, 0.8 AMP	6800	1
TAS-104-14	100V transformer, 0.8 AMP	6800	1
TACS-114-48	115V transformer, 2 AMP	8800 & 5800	1
TACS-234-48RF	230V transformer, 2 AMP	8800 & 5800	1
TACS-104-48	100V transformer, 2 AMP	8800 & 5800	1
ASV2000	Shut-off valve	ERP-1000	1
M53-095-AC	Rear end bell	6800	1
68011	Pump head	6800	1
QJS553	3/8" x 3/8" fitting	5502-IDN2-V77D	1
QJS554	1/2" x 1/2" fitting	5502-IDN2-V77D	1

## Feed water & drain water saddle valves

We offer a complete line of feed water and waste water saddle valves for every application, including standard models, saddle valves with John Guest® quick connect fittings and valves with John Guest® ball valves.



### Feed water saddle valves

Part Number	Tube	Pipe	Pipe	No. / Case
SV-1	1/4" Comp.	1/2" MNPT	1/2" FNPT	200
SV-2	1/4" Comp.	3/8" MNPT	3/8" FNPT	250
SV-3	1/4" Comp.	Fits pipe 3/8" to 1-1/4"		250
SV-6	1/4" Comp.	Fits pipe 3/8" to 5/8"		250
SV-3L	1/4" Comp.	Fits pipe 3/8" to 1-1/4"		250
SV-6L	1/4" Comp.	Fits pipe 3/8" to 5/8"		250
SV-ADPT	Adapter for 1/4" to 3/8" comp. fittings			25

### Feed water saddle valves with J.G. quick connect

Part Number	Tube	Pipe	Pipe	No. / Case
SV-6EZ	1/4" J.G.Q.C.	Fits pipe 1/4" to 5/8"		250
SV-6EZ38	3/8" J.G.Q.C.	Fits pipe 1/4" to 5/8"		250

# Faucets

Full range of faucets for every application.



WDF-101B



WDF-103B



Top mounted faucets  
(in chrome & nickel)



WDF-803



Touch-Flo®  
(Air gap)

## Long reach faucets for RO systems and under counter filters

Part Number	Mount	Type	Brand	Finish	Tube	No. / Case
116000	Top mount	Air gap**	Flowmatic	Chrome	3/8"	1
116071	Top mount	Non air gap	Flowmatic	Chrome	3/8"	1
116072	Top mount	Air gap**	Flowmatic	Brushed nickel	3/8"	1
116073	Top mount	Non air gap	Flowmatic	Brushed nickel	3/8"	1
WDF-103B	Under counter	Non air gap	Flowmatic	Chrome	1/4"	50
WDF-103AW	Under counter	Non air gap	Flowmatic	White	1/4"	50
WDF-103LA*	Under counter	Low lead	Flowmatic	Chrome	1/4"	50
WDF-103SFLA*	Under counter	Low lead	Flowmatic	Satin	1/4"	50
WDF-103SS	Under counter	Lead free	Flowmatic	Stainless steel	1/4"	50
WDF-103V	Under counter	Vented	Flowmatic	Chrome	1/4"	50
WDF-803	Under counter	Deluxe	Flowmatic	Chrome	1/4"	50
WDF-833	Under counter	Deluxe	Flowmatic	Chrome / Gold	1/4"	50
116063	Under counter	Standard / AG	Touch-Flo®	Chrome	3/8"	1
116023	Under counter	Standard / NAG	Touch-Flo®	Chrome	3/8"	1
M500	Under counter	Smart faucet	----	Chrome	1/4"	1
103 REPAIR			Faucet repair kit			1
MK-201D			Indicator ring to monitor flow and time			1
WDF-EXT			3" shank extension			1

\*Meets State of California requirements for lead-free faucets. \*\* The quietest air gap faucet on the market!

## 8" faucets for RO systems and under counter filters

Part Number	Type	Brand	Finish	Tube	Shank	No. / Case
WDF-101B	Std.	Flowmatic	Chrome	1/4"	2"	50
WDF-101LA*	Low lead	Flowmatic	Chrome	1/4"	2"	50
WDF-101BTALA*	Low lead	Flowmatic	Chrome	1/4"	2"	50

\*Meets State of California requirements for lead-free faucets.



## Saddle Valve (in-line)

### Feed water saddle valves

Part Number	Size	Type	Pipe	Pipe	No. / Case
SVBV-14	1/4"	John Guest	1/2" MNPT	1/2" FNPT	25
SVBV-38	3/8"	John Guest	1/2" MNPT	1/2" FNPT	25

### Drain water saddle valves

Part Number	Size	Type	Pipe	Pipe	No. / Case
SC500B14	1/4"	Jaco	Fits pipe 3/8" to 1-1/4"		200
SC500B38	3/8"	Jaco	Fits pipe 3/8" to 1-1/4"		200
12-38JG	3/8"	Jaco	Fits 1-1/2" drain lines		10

# Flow Restrictors

Inserts for Jaco® & John Guest® fittings and totally assembled fittings with inserts.



## Flow restrictors (inserts)

Part Number	To Drain (GPD)	Color	No. / Case
<b>Insert to fit JACO 1/8" elbow</b>			
FR-50-256	50	Yellow	100
FR-70-256	70	Blue	100
FR-100-256	100	Red	100
FR-125-256	125	Green	100
FR-150-256	150	Black	100
FR-200-256	200	Brown	100
<b>Insert to fit John Guest 1/8" elbow</b>			
FR-50-220	50	Yellow	100
FR-70-220	70	Blue	100
FR-100-220	100	Red	100
FR-125-220	125	Green	100
FR-150-220	150	Black	100
FR-200-220	200	Brown	100
<b>Assembled Jaco</b>			
FR-50-256JF	50	Yellow, 40-4-2-N-O	10
FR-70-256JF	70	Blue, 40-4-2-N-O	10
FR-100-256JF	100	Red, 40-4-2-N-O	10
FR-125-256JF	125	Green, 40-4-2-N-O	10
FR-150-256JF	150	Black, 40-4-2-N-O	10
FR-200-256JF	200	Brown, 40-4-2-N-O	10
<b>John Guest</b>			
FR-50-220JG	50	Yellow, PI480821S	10
FR-70-220JG	70	Blue, PI480821S	10
FR-100-220JG	100	Red, PI480821S	10
FR-125-220JG	125	Green, PI480821S	10
FR-150-220JG	150	Black, PI480821S	10
FR-200-220JG	200	Brown, PI480821S	10

**Note:** Select a flow restrictor that is rated at approximately three times the RO's production rate. Fittings are also available in white.



## Flow-pur capillary tube restrictors

Part Number	Flow (GPD)	Flow (MLM)	Fitting	No. / Case
FLOW-185	49	185	1/4" Quick conn.	50
FLOW-250	66	250	1/4" Quick conn.	50
FLOW-350	93	350	1/4" Quick conn.	50
FLOW-420	111	420	1/4" Quick conn.	50
FLOW-525	139	525	1/4" Quick conn.	50
FLOW-800	211	800	1/4" Quick conn.	50

# Other Components

Check valves for tubing; digital water meters; KDF® media.



## Check valves (ball type for product water)

Part Number	Description	No. / Case
<b>Inserts</b>		
C220*	Fits J.G. 1/8"	100
C256*	Fits Jaco 1/8"	100
C288*	Fits Jaco 40-4-4"	100
C312*	Fits Jaco 10-4-4"	100
RC385-OR	Fits membrane permeate tube	100
1/4SCV	Single check valve, 1/4"	80
3/8SCV	Single check valve, 3/8"	80
<b>Assembled</b>		
C256JF	IN 40-4-2-N-O Jaco elbow	10
C256JF-ST	IN 10-4-2-N-O Jaco male connection	10
C220JG**	IN PI48021S J.G. elbow	10
C220JG-ST**	IN PI48021S J.G. male connection	10
C288JF	IN 40-4-4-N-O Jaco elbow	10
C312JF-ST	IN 10-4-4-N-O Jaco male connection	10

\*Reverse check valves also available. Add "R" in front of product code.

\*\* Also available in white.



## Digital water meters

Model 100 provides an audible and flashing alarm to indicate when capacity has been reached and offers capacity settings based on flow (gallons) or time (days). Model 200 monitors up to five independent functions (pre-filter, post filter, membrane, etc.) Both models use power only when water flows, provides a low battery alarm and comes with a one year limited warranty. Packaged per carton.

Model	Functions	Measures	Capacity Settings (Gals.)	Time Setting	Flow Range (gpm)
FPDM-100	1	Gallons	100 - 9,900	30 - 720 days	0.33 - 2.0
FPDM-200	5	Gallons	100 - 19,900	30 - 720 days	0.33 - 2.0
FPDM-200LD	5	Liters	100 - 19,900	30 - 720 days	0.33 - 2.0

# KDF®

KDF filter media is a patented process medium, which is typically used ahead of activated carbon to enhance and extend it's performance. With KDF, there is less bacteria, less free chlorine, less scale build-up and less maintenance. Two types are available for municipal and well water applications.

Part Number	Type	Water source	Use	Drum Weight	Cu. Ft.
KDF55-DRUM	KDF55	Municipal	Carbon pre-treatment	57 lbs.	1/3
KDF85-DRUM	KDF85	Well	Iron, H.S. reduction	57 lbs.	1/3

# Temperature Ratings & Chemical Compatability Chart

Material	Max. Temp		Resistance To				
	F	C	Mineral Acids	Organic Acids	Alkalines	Organic Solvents	Oils & Petro.
<b>Filter media:</b>							
Polypropylene	200°	93°	Good	Excellent	Excellent	Excellent	Excellent
Cotton	250°	121°	Poor	Good	Good	Excellent	Excellent
Nylon	275°	135°	Poor	Fair	Good	Excellent	Excellent
Fiberglass	750°	399°	Excellent	Excellent	Poor	Excellent	Excellent
Polyester	275°	135°	Good	Good	Fair	Excellent	Excellent
<b>Gasket material</b>							
Buna-N	250°	121°	Poor	Poor	Poor	Varies	Excellent
EPDM	300°	149°	Excellent	Excellent	Excellent	Poor	Poor
Viton	400°	204°	Excellent	Excellent	Poor	Excellent	Excellent
<b>Center tubes:</b>							
Polypropylene	200°	93°	Good	Excellent	Excellent	Excellent	Excellent

Note: Information from industry sources. End user is responsible to determine suitability for each application.

## Relative Size of Particles

Substance	Micron
Table salt	100
Human hair	50-70
White blood cell	25
Talcum powder	10
Cocoa	8-10
Red blood cell	8
Bacteria	2
Cysts	3-5

## Conversion Chart

U.S. Standard Mesh	Opening		Micron
	MM	Inches	
100	.147	.0058	147
140	.104	.0041	104
200	.074	.0029	74
230	.061	.0024	61
325	.043	.0017	43
400	.038	.0015	38