

Pallas[®] Valves

FX



CATALOGUE
2026

PALLAS FX

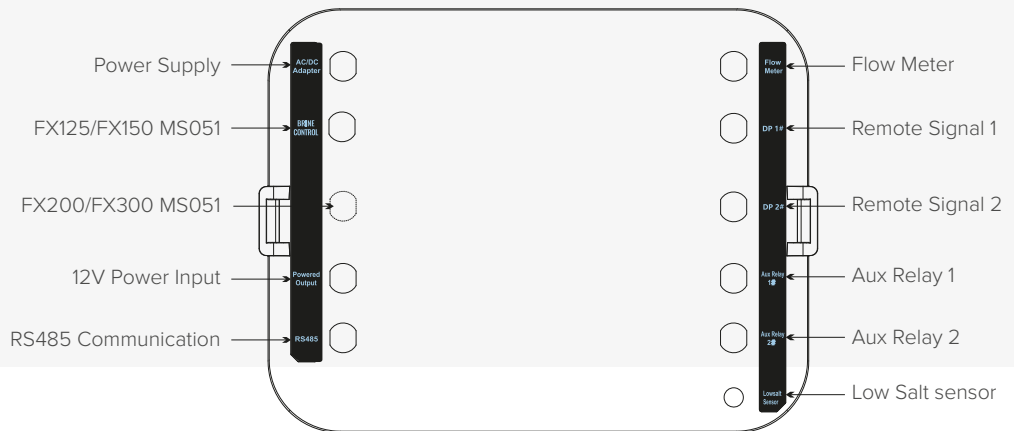


Next Level Valve for Commercial and Industrial Water Treatment Demands



- + **Complete range of plastic valves** – from 1" to 3" - **including simplex, twin and duplex versions**
 - + Covering all flow requirements
 - + Easy maintenance: Minimal tools, effortless access
 - + Built to last: Solid construction ensuring long-term reliability
 - + Universal programming: easy-to-use timer for the entire range
 - + Unified front cover design
 - + Proportional brining for saving on salt usage
 - + Salt alarm based on measurement
 - + Optional low salt sensor
 - + Scheduled service alarm
 - + Optional Bypass for FX100 & FX125
- + **Pallas FX promises you outstanding results, an intuitive interface and an outstanding reliability**

PALLAS FX



ADVANTAGES

- + **Easy service** thanks to quick access to seal & spacer stack and quick connect connections
- + Can be programmed as **Softener and Filter**
- + **Fully programmable** regeneration cycle sequence (maximum 9)
- + Solid state microprocessor with easy access front panel settings
- + Four methods to initiate regeneration; meter immediate, meter delayed, time clock immediate or weekday mode (time clock immediate)
- + Program in ppm, French degrees, German degrees
- + Days override feature; 1 – 99 days available
- + Backwash and brining ability to 21" diameter tanks for 1" valves
- + Proportional regeneration based on remaining volume vs average daily consumption with every 6th regeneration being a full regeneration to maximize efficiency.
- + Wet or dry salt container
- + Intelligent reserve calculation with security override
- + Delayed regeneration option with security override
- + **Input / Output interfaces on the backplate** of the valve
- + Measured low salt alarm
- + **12 Volt Output** to give powered signal to external devices (controller, lights) when valve is transitioning from service to regeneration
- + **2** free programmable **AUX relay**
- + Able to receive **2 independent remote signals** (DP contact) to trigger / hold regeneration
- + RS485 connection allowing real time monitoring ; remote controlling and sending of error alarms to PC / PLC or BMS.
- + Double backwash feature for optimum efficiency
- + Treated water regenerant refill for a clean salt container
- + Stores system configuration and operation data in non-volatile memory
- + Can be programmed to operate in Simplex and Duplex mode (alternating, progressive, parallel)
- + Can be programmed to operate in a Progressive Flow Setup
- + Multi-valve system available - can operate up to 8 units (additional items required)

PALLAS FX VALVES

PALLAS FX SIMPLEX FX100

DESCRIPTION

Pallas FX100 Automatic valve is a control head designed for commercial and industrial applications requiring flow rates up to 6.1 m³/hr. It has a backwash ability capable of servicing up to 21" diameter tanks.

The valve acts as a primary centre that directs and regulates all cycles of water softening or filtration. It can be set to perform downflow regeneration or simply backwash and rinse. The valve is controlled by a solid state microprocessor with front panel setting and screen display. The FX100 has 5 injector sizes to choose from for different draw rates.



FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable
- Available with or without mixing valve

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	6.1 m ³ /hr
Backwash @ 1.7 bar drop	5.7 m ³ /hr
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	2.5"
In/out	3/4" or 1" M BSPT, Straight or Elbow QC
Brine line	3/8" or 1/2 OD Elbow QC
Drain line	1/2" or 3/4" or 1" NPT or BSPT , Straight or Elbow QC
Riser tube diameter	DN25 (32mm OD)

PALLAS FX VALVES

PALLAS FX SIMPLEX FX100



FX100 VALVES

Reference	Config.	Search Name	Item Name	€
0315010008	PSTD	FX1002,5STC-MIXHWBEU	Pallas FX100 - 2.5" Thread - Time - Mixing - HWB piston - EU Transfo	
0315010009	PSTD	FX1002,5SMM-MIXHWBEU	Pallas FX100 - 2.5" Thread - Vol - Mixing - HWB piston - EU Transfo	
0315010010	PSTD	FX1002,5STCNHBEU	Pallas FX100 - 2.5" Thread - Time - NHWB piston - EU Transfo	
0315010011	PSTD	FX1002,5SMMNHBEU	Pallas FX100 - 2.5" Thread - Vol - NHWB piston - EU Transfo	

ACCESSORIES FOR PALLAS FX100

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430020006	D1003-B1P001	Bypass FX100	
0430990062	N4011	Mixing Valve Assy FX100/125	
0430990120	1607329-F07E231	PCB Assy FX100	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990063	Y3115	Motor Assy FX100/125/150/200/300	
0430990030	Y3073	Flow Meter Assy (FX100)	
0430990054	Y3065	Seals/Spacer Assy (FX100)	
0430070007	Y3068	Piston Assy (HW)(FX100)	
0430070008	Y3067	Piston Assy (NHW)(FX100)	
0430040056	D1041	1" BSPT Straight Drain Line QC Assy	
0430040055	D1045	1" BSPT Elbow Drain Line QC Assy	

PALLAS FX VALVES

PALLAS FX SIMPLEX FX125

DESCRIPTION

Pallas FX125 Automatic valve is a control head designed for commercial and industrial applications. Its design and functioning is much the same as the FX100, but the larger innerworkings of the valve allows for flow rates up to 7.7 m³/h.

The valve acts as a primary centre that directs and regulates all cycles of water softening or filtration. It can be set to perform downflow regeneration or simply backwash and rinse. The valve is controlled by a solid state microprocessor with front panel setting and screen display. The FX125 has 5 injector sizes to choose from for different draw rates



FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable
- Available with or without mixing valve

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	6.8 m ³ /hr (2.5" thread) 7.7 m ³ /hr (4" thread)
Backwash @ 1.7 bar drop	6.1 m ³ /hr (2.5" thread) 6.4 m ³ /hr (4" thread)
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	2.5" or 4" - 8 UN
In/out	1" M, 1.25" M to 1.5" M BSPT Straight QC
Brine line	3/8" Elbow QC or 1/2" OD
Drain line	1" NPT or BSPT, Straight or Elbow QC
Riser tube diameter	DN25 (32 mm OD) for 2.5" DN40 (50mm OD) for 4"

PALLAS FX VALVES

PALLAS FX SIMPLEX FX125



FX125 VALVES

Reference	Config.	Search Name	Item Name	€
0315020011	PSTD	FX1252,5STC-MIXHWBEU	Pallas FX125 - 2.5" Thread - Time - Mixing - HWB piston - EU Transfo	
0315020012	PSTD	FX1254STC-MIXHWBEU	Pallas FX125 - 4" Thread - Time - Mixing - HWB piston - EU Transfo	
0315020013	PSTD	FX1252,5SMM-MIXHWBEU	Pallas FX125 - 2.5" Thread - Vol - Mixing - HWB piston - EU Transfo	
0315020014	PSTD	FX1254SMM-MIXHWBEU	Pallas FX125 - 4" Thread - Vol - Mixing - HWB piston - EU Transfo	
0315020015	PSTD	FX1252,5SMMNHBEU	Pallas FX125 - 2.5" Thread - Vol - NHWB piston - EU Transfo	
0315020016	PSTD	FX1254SMMNHBEU	Pallas FX125 - 4" Thread - Vol - NHWB piston - EU Transfo	

ACCESSORIES FOR PALLAS FX125

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430020007	N3031-B1P006	Bypass FX125	
0430990062	N4011	Mixing Valve Assy FX100/125	
0430990118	1607329-F07E151	PCB Assy FX125	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990019	W0018	Electric Motor Assy	
0430990031	N3022	Flow Meter Assy (FX125/150)	
0430990055	N3045	Seals/Spacer Assy (FX125)	
0430070010	N3025	Softener Piston Assy (HW)(FX125/150)	
0430070012	N3027	Softener Piston Assy (NHW)(FX125/150)	
0430070005	1428508-1	Filter Piston Assy (HW)(FX125/150)	
0430070006	1428507-1	Filter Piston Assy (NHW)(FX125/150)	
0430040056	D1041	1" BSPT Straight Drain Line QC Assy	
0430040055	D1045	1" BSPT Elbow Drain Line QC Assy	
0430040050	W2013	1" BSPT Straight Plastic QC Assy (2pcs/set)	

PALLAS FX VALVES

PALLAS FX SIMPLEX FX125

ACCESSORIES FOR PALLAS FX125

Reference	Search Name	Item Name	€
0430040060	W2011	1.25" Straight BSPT Plastic QC Assy (2pcs/set)	
0430040063	W2012	1.5" Straight BSPT Plastic QC Assy (2pcs/set)	
0430040072	N3068	1" BSPT Straight Female Brass QC Assy (2pcs/set)	
0430040073	N3070	1.25" Straight BSPT Female Brass QC Assy (2pcs/set)	
0430040074	N3072	1.5" Straight BSPT Female Brass QC Assy (2pcs/set)	
0430040071	N3062	1" BSPT Straight Male Brass QC Assy (2pcs/set)	
0430040062	N3064	1.25" Straight BSPT Male Brass QC Assy (2pcs/set)	
0430040064	N3066	1.5" Straight BSPT Male Brass QC Assy (2pcs/set)	
0430040002	N3073-1	Elbow Adaptors (2pcs/set)	

PALLAS FX VALVES

PALLAS FX SIMPLEX FX150

DESCRIPTION

Pallas FX150 Automatic valve is a control head designed for larger commercial and industrial applications requiring flow rates up to 12.0 m³/hr (peak). It is a lightweight, chemical resistant valve made of Noryl and it features the same stack technology and programming software as the other Pallas FX control valves.

The valve acts as a primary centre that directs and regulates all cycles of water softening or filtration. It can be set to perform downflow regeneration or simply backwash and rinse. The valve is controlled by a solid state microprocessor with front panel setting and screen display. The FX150 Control Valve is accompanied by a range of plastic accessories, allowing you to build an effective and efficient system



FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	9.8 m ³ /hr
Backwash @ 1.7 bar drop	6.9 m ³ /hr
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	4" 8-UN
In/out	1" M, 1.25" M to 1.5" M BSPT Straight QC
Brine line	3/8" or 1/2" OD Elbow QC
Drain line	1" BSPT Straight or Elbow QC
Riser tube diameter	DN40 (50mm OD)

PALLAS FX VALVES

PALLAS FX SIMPLEX FX150



FX150 VALVES

Reference	Config.	Search Name	Item Name	€
0315030006	PSTD	FX1504STCHWBEU	Pallas FX150 - 4" Thread - Time - HWB piston - EU Transfo	
0315030007	PSTD	FX1504SMMHWBEU	Pallas FX150 - 4" Thread - Vol - HWB piston - EU Transfo	
0315030008	PSTD	FX1504STCNHBEU	Pallas FX150 - 4" Thread - Time - NHWB piston - EU Transfo	
0315030009	PSTD	FX1504SMMNHBEU	Pallas FX150 - 4" Thread - Vol - NHWB piston - EU Transfo	

ACCESSORIES FOR PALLAS FX150

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430990119	1607329-F07E161	PCB Assy FX150	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990019	W0018	Electric Motor Assy	
0430990031	N3022	Flow Meter Assy (FX125/150)	
0430990055	N3045	Seals/Spacer Assy (FX125)	
0430070010	N3025	Softener Piston Assy (HW)(FX125/150)	
0430070012	N3027	Softener Piston Assy (NHW)(FX125/150)	
0430070005	1428508-1	Filter Piston Assy (HW)(FX125/150)	
0430070006	1428507-1	Filter Piston Assy (NHW)(FX125/150)	
0430040056	D1041	1" BSPT Straight Drain Line QC Assy	
0430040055	D1045	1" BSPT Elbow Drain Line QC Assy	
0430040050	W2013	1" BSPT Straight Plastic QC Assy (2pcs/set)	
0430040060	W2011	1.25" Straight BSPT Plastic QC Assy (2pcs/set)	
0430040063	W2012	1.5" Straight BSPT Plastic QC Assy (2pcs/set)	
0430990167	N3065	1.5" NPT Male Brass Connector (2pcs)	
0430040064	N3066	1.5" Straight BSPT Male Brass QC Assy (2pcs/set)	
0430990168	Y3005	2" NPT Male Brass Connector (2pcs)	
0430040065	Y3006	2" BSPT Male Brass Connector (2pcs)	

PALLAS FX VALVES

PALLAS FX SIMPLEX FX200

DESCRIPTION

Pallas FX200 Automatic valve is a control head designed for larger commercial and industrial applications requiring flow rates up to 20.4 m³/hr (peak). It is a lightweight, chemical resistant valve made of Noryl and it features the same stack technology and programming software as the other Pallas FX control valves.

The valve acts as a primary centre that directs and regulates all cycles of water softening or filtration. It can be set to perform downflow regeneration or simply backwash and rinse. The valve is controlled by a solid state microprocessor with front panel setting and screen display. The FX200 Control Valve is accompanied by a range of plastic accessories, allowing you to build an effective and efficient system.



FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	15.9 m ³ /hr
Backwash @ 1.7 bar drop	12.0 m ³ /hr
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	4" 8-UN
In/out	1.5" or 2" BSPT Brass connector
Brine line	1/2" or 1" BSPT Straight or Elbow QC
Drain line	1.5" or 2" BSPT Brass connector
Riser tube diameter	DN40 (50mm OD)

PALLAS FX VALVES

PALLAS FX SIMPLEX FX200



FX200 VALVES

Reference	Config.	Search Name	Item Name	€
0315040006	PSTD	FX2004STCHWBEU	Pallas FX200 - 4" Thread - Time - HWB piston - EU Transfo	
0315040007	PSTD	FX2004SMMHWBEU	Pallas FX200 - 4" Thread - Vol - HWB piston - EU Transfo	
0315040008	PSTD	FX2004STCNHBEU	Pallas FX200 - 4" Thread - Time - NHWB piston - EU Transfo	
0315040009	PSTD	FX2004SMMNHBEU	Pallas FX200 - 4" Thread - Vol - NHWB piston - EU Transfo	

ACCESSORIES FOR PALLAS FX200

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430990121	1607329-F07E241	PCB Assy FX200	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990019	W0018	Electric Motor Assy	
0430990064	Y3007	Flow Meter Assy (FX200/300)	
0430990056	Y3022	Seals/Spacer Assy (FX200)	
0430070009	Y2014	Softener Piston Assy (HW)(FX200)	
0430070011	Y2016	Softener Piston Assy (NHW)(FX200)	
0430070002	1431525-1	Filter Piston (HW)(FX200)	
0430070004	1431524-1	Filter Piston (NHW)(FX200)	
0430040078	N3020	1.5" BSPT Male Brass Connector	
0430040065	Y3006	2" BSPT Male Brass Connector (2pcs)	

PALLAS FX VALVES

PALLAS FX SIMPLEX FX300

DESCRIPTION

Pallas FX300 Automatic valve is a control head designed for larger industrial applications requiring flow rates up to 36.3 m³/hr (peak). It is a chemical resistant valve made of Noryl and it features the same stack technology and programming software as the other Pallas FX control valves. The valve acts as a primary centre that directs and regulates all cycles of water softening or filtration. It can be set to perform downflow regeneration or simply backwash and rinse. The valve is controlled by a solid state microprocessor with front panel setting and screen display.

The FX300 Control Valve is accompanied by a range of plastic accessories, allowing you to build an effective and efficient system.

The FX300 is equipped with the MS051 shut-off valve integrated into the valve body. During regeneration, this shut-off valve prevents any unwanted water injection or salt uptake, ensuring accurate process control and eliminating the risk of brine dilution or leakage.



MS051 shut-off valve

FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	26.8 m ³ /hr (4" thread) 28.4 m ³ /hr (6" flange)
Backwash @ 1.7 bar drop	17.9 m ³ /hr (4" thread) 19.1 m ³ /hr (6" flange)
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	4" Thread or 6" Flange
In/out	2" or 2.5" BSPT Brass connector
Brine line	1/2" or 1" BSPT Straight or Elbow QC
Drain line	2" or 2.5" BSPT Brass connector
Riser tube diameter	DN50 (60 mm OD) for 4" thread DN80 (90mm OD) for 6" flange

PALLAS FX VALVES

PALLAS FX SIMPLEX FX300



FX300 VALVES

Reference	Config.	Search Name	Item Name	€
0315050005	PSTD	FX3006STCHWBUEU	Pallas FX300 - 6" Flange - Time - HWB piston - EU Transfo	
0315050004	PSTD	FX3004STCHWBUEU	Pallas FX300 - 4" Thread - Time - HWB piston - EU Transfo	
0315050006	PSTD	FX3004SMMHWBUEU	Pallas FX300 - 4" Thread - Vol - HWB piston - EU Transfo	
0315050007	PSTD	FX3006SMMHWBUEU	Pallas FX300 - 6" Flange - Vol - HWB piston - EU Transfo	
0315050008	PSTD	FX3004STCNHBEU	Pallas FX300 - 4" Thread - Time - NHWB piston - EU Transfo	
0315050009	PSTD	FX3006STCNHBEU	Pallas FX300 - 6" Flange - Time - NHWB piston - EU Transfo	
0315050010	PSTD	FX3004SMMNHBEU	Pallas FX300 - 4" Thread - Vol - NHWB piston - EU Transfo	
0315050011	PSTD	FX3006SMMNHBEU	Pallas FX300 - 6" Flange - Vol - NHWB piston - EU Transfo	

ACCESSORIES FOR PALLAS FX300

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430990122	1607329-F07E251	PCB Assy FX300	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990063	Y3115	Motor Assy FX100/125/150/200/300	
0430990064	Y3007	Flow Meter Assy (FX200/300)	
0430990065	Y3111	Spacer/Seal Assy (FX300)	
0430070015	1332125-1	HWB-SO piston FX300	
0430070016	1332117-1	NHWP-SO piston FX300	
0430040065	Y3006	2" BSPT Male Brass Connector (2pcs)	
0430040079	Y3110	2.5" BSPT Male Brass Connector	

PALLAS FX VALVES

PALLAS FX TWIN TW075

DESCRIPTION

Pallas FX TW075 is a Twin Valve, meaning that it's a single control head valve designed for operation with two tanks. When one tank is in service, the other is placed either in standby or is regenerating. This allows for a continuous supply of soft water. The unit is designed primarily for residential applications or commercial installations requiring low flow rates. Thanks to its compact design, it can be easily and neatly integrated into cabinet softeners.

The valve is controlled by a solid state microprocessor with front panel setting and screen display. The FX TW075 has 4 injector sizes to choose from for different draw rates.



FEATURES

- Constant softened water
- One valve for 2 tanks
- Piston type valve
- Up-Flow regeneration
- Regeneration with softened water
- Easily serviceable
- Compact

APPLICATIONS

- Residential softening
- Small industrial softening (hospitality)

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	1.8 m ³ /hr	Tank thread	2.5"
Backwash @ 1.7 bar drop	0.3 m ³ /hr	In/out	3/4" or 1" BSPT - straight or Elbow QC
Operating pressure	1.4 to 8.0 bar	Brine line	3/8" QC
Water temperature	1°C to 43°C	Riser tube diameter	3/4" (26,7mm OD)

TW075 VALVES

Reference	Config.	Search Name	Item Name	€
0315100001	PSTD	FXTW0752,5EU	Pallas FX-TW075 - 2.5" Thread - Vol - EU Transfo	

PALLAS FX VALVES

PALLAS FX TWIN TW075

ACCESSORIES PALLAS FX T075

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430020008	D1003	Bypass	
0430990115	1607310-1-0008192	PCB Assy FX-TW075	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990149	W3273	Flow Meter Assy FX T075	
0430040049	D1017	Inlet/Outlet QC Assy - 1" BSPT Straight (2pcs/set)	
0430040001	D1014	Inlet/Outlet QC Assy - 1" BSPT Elbow (2pcs/set)	
0430040053	D1016	Inlet/Outlet QC Assy - 3/4" BSPT Straight (2pcs/set)	
0430040054	D1022	Inlet/Outlet QC Assy - 3/4" BSPT Elbow (2pcs/set)	
0430990143	W3216	Seal/Spacer Assy of Upper Valve (FX-TW075)	
0430990144	W3217	Seal/Spacer Assy of Lower Valve (FX-TW075)	
0430990145	W3218	Piston of Upper Valve Assy (FX-TW075)	
0430990146	W3219	Piston of Lower Valve Assy (FX-TW075)	
0430990147	W3271	Driver of Upper Valve Assy	
0430990148	W3272	Driver of Lower Valve Assy	

PALLAS FX VALVES

PALLAS FX TWIN TW100

DESCRIPTION

Pallas FX TW100 is a Twin Valve, meaning that it's a single control head valve designed for operation with two tanks. When one tank is in service, the other is placed either in standby or is regenerating. This allows for a continuous supply of soft water. It is designed for residential and commercial applications requiring flow rates up to 5.4 m³/h (peak) and it has a backwash ability capable of servicing up to 16" diameter tanks.

The valve is controlled by a solid state microprocessor with front panel setting and screen display. The FX TW100 has 3 injector sizes to choose from for different draw rates.



FEATURES

- Constant softened water
- One valve for 2 tanks
- Piston type valve
- Easily serviceable
- Compact

APPLICATIONS

- Small industrial softening (hospitality)
- Small public places

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	4.1 m ³ /hr	Tank thread	2.5"
Backwash @ 1.7 bar drop	2.0 m ³ /hr	In/out	3/4" or 1" BSPT – straight or Elbow QC
Operating pressure	1.4 to 8.0 bar	Brine line	3/8" QC
Water temperature	1°C to 43°C	Riser tube diameter	3/4" (26,7mm OD)

TW100 VALVES

Reference	Config.	Search Name	Item Name	€
0315100002	PSTD	FX-TW1002,5EU	Pallas FX-TW100 - 2.5" Thread - Vol - EU Transfo	

PALLAS FX VALVES

PALLAS FX TWIN TW100

ACCESSORIES PALLAS FX T100

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430020006	D1003-B1P001	Bypass FX100	
0430990116	1607324-000E202	PCB Assy FX-TW100	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990127	G2013	Flow Meter Assy FX T100	
0430040049	D1017	Inlet/Outlet QC Assy - 1" BSPT Straight (2pcs/set)	
0430040001	D1014	Inlet/Outlet QC Assy - 1" BSPT Elbow (2pcs/set)	
0430040053	D1016	Inlet/Outlet QC Assy - 3/4" BSPT Straight (2pcs/set)	
0430040054	D1022	Inlet/Outlet QC Assy - 3/4" BSPT Elbow (2pcs/set)	
0430990136	W3006	Seal/Spacer Assy of Upper Valve (FX-TW100)	
0430990135	W3005	Seal/Spacer Assy of Lower Valve (FX-TW100)	
0430990137	W3012	Piston of Upper Valve Assy (FX-TW100)	
0430990165	W3013	Piston of Lower Valve Assy (FX-TW100)	
0430990130	W0027	Motor Assy Upper Valve (FX-TW100/150)	
0430990129	W0001	Motor Assy Lower Valve (FX-TW100/150)	

PALLAS FX VALVES

PALLAS FX TWIN TW150

DESCRIPTION

Pallas FX TW150 is a Twin Valve, meaning that it's a single control head valve designed for operation with two tanks. When one tank is in service, the other is placed either in standby or is regenerating. This allows for a continuous supply of soft water. It is designed for residential and commercial applications requiring flow rates up to 12.0 m³/h (peak) and it has a backwash ability capable of servicing up to 30" diameter tanks.

The valve is controlled by a solid state microprocessor with front panel setting and screen display. The FX TW150 has 2 injector sizes to choose from for different draw rates.



FEATURES

- Constant softened water
- One valve for 2 tanks
- Piston type valve
- Easily serviceable
- Compact

APPLICATIONS

- Commercial softening
- Industrial softening

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	9.0 m ³ /hr
Backwash @ 1.7 bar drop	5.0 m ³ /hr
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	4" 8-UN
In/out	1" or 1.5" BSPT
Brine line	3/8" or 1/2" QC Elbow
Drain Line	1" BSPT QC
Riser tube diameter	DN40 (50mm OD)

TW150 VALVES

Reference	Config.	Search Name	Item Name	€
0315100003	PSTD	FX-TW1504EU	Pallas FX-TW150 - 4" Thread - Vol - EU Transfo	

PALLAS FX VALVES

PALLAS FX TWIN TW150

ACCESSORIES PALLAS FX T150

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430990117	1607324-000E212	PCB Assy FX-TW150	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990153	W3305	Flow Meter Assy FX T150	
0430040064	N3066	1.5" Straight BSPT Male Brass QC Assy (2pcs/set)	
0430040050	W2013	1" BSPT Straight Plastic QC Assy (2pcs/set)	
0430040060	W2011	1.25" Straight BSPT Plastic QC Assy (2pcs/set)	
0430040063	W2012	1.5" Straight BSPT Plastic QC Assy (2pcs/set)	
0430990140	W3105	Seal/Spacer Assy of Upper Valve (FX-TW150)	
0430990141	W3109	Piston of Upper Valve Assy (FX-TW150)	
0430990139	W3104	Seal/Spacer Assy of Lower Valve (FX-TW150)	
0430990142	W3110	Piston of Lower Valve Assy (FX-TW150)	
0430990130	W0027	Motor Assy Upper Valve (FX-TW100/150)	
0430990129	W0001	Motor Assy Lower Valve (FX-TW100/150)	

PALLAS FX VALVES

PALLAS FX DUPLEX FX125

DESCRIPTION

The Pallas FX is also available in a duplex valve configuration, which can be implemented in a very simple way. Only two valves, a communication cable and two MS051 shut-off valves are required to connect and synchronize both units.

All Pallas FX valves can be programmed as Alternating or Parallel or Progressive Flow systems.

As duplex systems are commonly used in higher flow-rate applications, the Pallas FX Duplex is to be equipped as standard with the MS051 brine shut-off valve, the same model used on the Pallas FX300. During regeneration, this shut-off valve prevents any unwanted water injection or salt uptake, ensuring accurate process control and eliminating the risk of brine dilution or leakage.

All Pallas FX Duplex valves are supplied in NHWBP configuration.

The Pallas FX Duplex valves feature the same advanced stack technology and programming software as all other Pallas FX control valves, ensuring consistency, ease of use, and reliable performance across the product range.



MS051 shut-off valve

ADVANTAGES

- Continuous soft water supply (24/7)
- Higher operational reliability through redundancy
- Suitable for higher flow-rate applications (parallel operation)
- Optimized regeneration efficiency (progressive regeneration)
- Ideal for applications with fluctuating water demand, such as hospitality, healthcare, and industrial processes

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	6.1 m ³ /hr (2.5" thread) 6.5 m ³ /hr (4" thread)
Backwash @ 1.7 bar drop	5.9 m ³ /hr (2.5" thread) 6.5 m ³ /hr (4" thread)
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	2.5" or 4" 8-UN
In/out	1" or 1.25" or 1.5" BSPT Straight QC
Brine line	3/8" QC Elbow
Drain Line	1" NPT or BSPT, Straight or Elbow QC
Riser tube diameter	DN25 (32 mm OD) for 2.5" DN40 (50mm OD) for 4"

PALLAS FX VALVES

PALLAS FX DUPLEX FX125

FX125

Reference	Config.	Search Name	Item Name	€
0315020017	PSTD	FX1252,5SMMNHBSOEU	Pallas FX125 - 2.5" Thread - Vol - NHWBSO piston - EU Transfo	
0315020018	PSTD	FX1254SMMNHBSOEU	Pallas FX125 - 4" Thread - Vol - NHWBSO piston - EU Transfo	

ACCESSORIES FOR PALLAS FX125 DUPLEX

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430020007	N3031-B1P006	Bypass FX125	
0430990062	N4011	Mixing Valve Assy FX100/125	
0430990118	1607329-F07E151	PCB Assy FX125	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990019	W0018	Electric Motor Assy	
0430990031	N3022	Flow Meter Assy (FX125/150)	
0430990055	N3045	Seals/Spacer Assy (FX125)	
0430070010	N3025	Softener Piston Assy (HW)(FX125/150)	
0430070012	N3027	Softener Piston Assy (NHW)(FX125/150)	
0430070005	1428508-1	Filter Piston Assy (HW)(FX125/150)	
0430070006	1428507-1	Filter Piston Assy (NHW)(FX125/150)	
0430040056	D1041	1" BSPT Straight Drain Line QC Assy	
0430040055	D1045	1" BSPT Elbow Drain Line QC Assy	
0430040050	W2013	1" BSPT Straight Plastic QC Assy (2pcs/set)	
0430040060	W2011	1.25" Straight BSPT Plastic QC Assy (2pcs/set)	
0430040063	W2012	1.5" Straight BSPT Plastic QC Assy (2pcs/set)	
0430040072	N3068	1" BSPT Straight Female Brass QC Assy (2pcs/set)	

PALLAS FX VALVES

PALLAS FX DUPLEX FX125

ACCESSORIES FOR PALLAS FX125 DUPLEX

Reference	Search Name	Item Name	€
0430040073	N3070	1.25" Straight BSPT Female Brass QC Assy (2pcs/set)	
0430040074	N3072	1.5" Straight BSPT Female Brass QC Assy (2pcs/set)	
0430040071	N3062	1" BSPT Straight Male Brass QC Assy (2pcs/set)	
0430040062	N3064	1.25" Straight BSPT Male Brass QC Assy (2pcs/set)	
0430040064	N3066	1.5" Straight BSPT Male Brass QC Assy (2pcs/set)	
0430040002	N3073-1	Elbow Adaptors (2pcs/set)	

PALLAS FX VALVES

PALLAS FX DUPLEX FX150

DESCRIPTION

The Pallas FX is also available in a duplex valve configuration, which can be implemented in a very simple way. Only two valves, a communication cable and two MS051 shut-off valves are required to connect and synchronize both units.

All Pallas FX valves can be programmed as Alternating or Parallel or Progressive Flow systems

As duplex systems are commonly used in higher flow-rate applications, the Pallas FX Duplex is to be equipped as standard with the MS051 brine shut-off valve, the same model used on the Pallas FX300. During regeneration, this shut-off valve prevents any unwanted water injection or salt uptake, ensuring accurate process control and eliminating the risk of brine dilution or leakage.

All Pallas FX Duplex valves are supplied in NHWBP configuration.

The Pallas FX Duplex valves feature the same advanced stack technology and programming software as all other Pallas FX control valves, ensuring consistency, ease of use, and reliable performance across the product range.



MS051 shut-off valve

ADVANTAGES

- Continuous soft water supply (24/7)
- Higher operational reliability through redundancy
- Suitable for higher flow-rate applications (parallel operation)
- Optimized regeneration efficiency (progressive regeneration)
- Ideal for applications with fluctuating water demand, such as hospitality, healthcare, and industrial processes

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	7.5 m ³ /hr
Backwash @ 1.7 bar drop	6.7 m ³ /hr
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	4" 8-UN
In/out	1" or 1.25" or 1.5" BSPT Straight QC
Brine line	3/8" or 1/2" QC Elbow
Drain Line	1" NPT or BSPT, Straight or Elbow QC
Riser tube diameter	DN40 (50mm OD)

PALLAS FX VALVES

PALLAS FX DUPLEX FX150

FX150

Reference	Config.	Search Name	Item Name	€
0315030010	PSTD	FX1504SMMNHBSOEU	Pallas FX150 - 4" Thread - Vol - NHWBSO piston - EU Transfo	

ACCESSORIES FOR PALLAS FX150 DUPLEX

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430990119	1607329-F07E161	PCB Assy FX150	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990019	W0018	Electric Motor Assy	
0430990031	N3022	Flow Meter Assy (FX125/150)	
0430990055	N3045	Seals/Spacer Assy (FX125)	
0430070010	N3025	Softener Piston Assy (HW)(FX125/150)	
0430070012	N3027	Softener Piston Assy (NHW)(FX125/150)	
0430070005	1428508-1	Filter Piston Assy (HW)(FX125/150)	
0430070006	1428507-1	Filter Piston Assy (NHW)(FX125/150)	
0430040056	D1041	1" BSPT Straight Drain Line QC Assy	
0430040055	D1045	1" BSPT Elbow Drain Line QC Assy	
0430040050	W2013	1" BSPT Straight Plastic QC Assy (2pcs/set)	
0430040060	W2011	1.25" Straight BSPT Plastic QC Assy (2pcs/set)	
0430040063	W2012	1.5" Straight BSPT Plastic QC Assy (2pcs/set)	
0430990167	N3065	1.5" NPT Male Brass Connector (2pcs)	
0430040064	N3066	1.5" Straight BSPT Male Brass QC Assy (2pcs/set)	
0430990168	Y3005	2" NPT Male Brass Connector (2pcs)	
0430040065	Y3006	2" BSPT Male Brass Connector (2pcs)	

PALLAS FX VALVES

PALLAS FX DUPLEX FX200

DESCRIPTION

The Pallas FX is also available in a duplex valve configuration, which can be implemented in a very simple way. Only two valves, a communication cable and two MS051 shut-off valves are required to connect and synchronize both units.

All Pallas FX valves can be programmed as Alternating or Parallel or Progressive Flow systems.

As duplex systems are commonly used in higher flow-rate applications, the Pallas FX Duplex is to be equipped as standard with the MS051 brine shut-off valve, the same model used on the Pallas FX300. During regeneration, this shut-off valve prevents any unwanted water injection or salt uptake, ensuring accurate process control and eliminating the risk of brine dilution or leakage.

All Pallas FX Duplex valves are supplied in NHWBP configuration.

The Pallas FX Duplex valves feature the same advanced stack technology and programming software as all other Pallas FX control valves, ensuring consistency, ease of use, and reliable performance across the product range.



MS051 shut-off valve

ADVANTAGES

- Continuous soft water supply (24/7)
- Higher operational reliability through redundancy
- Suitable for higher flow-rate applications (parallel operation)
- Optimized regeneration efficiency (progressive regeneration)
- Ideal for applications with fluctuating water demand, such as hospitality, healthcare, and industrial processes

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	12.9 m ³ /hr
Backwash @ 1.7 bar drop	14.3 m ³ /hr
Operating pressure	1.4 to 8.0 bar
Water temperature	1°C to 43°C

Tank thread	4" 8-UN
In/out	1.5" or 2" BSPT Brass Connector
Brine line	1/2" or 1" QC Straight or Elbow
Drain Line	1.5" or 2" NPT or BSPT Brass Connector
Riser tube diameter	DN40 (50mm OD)

PALLAS FX VALVES

PALLAS FX DUPLEX FX200

FX200

Reference	Config.	Search Name	Item Name	€
0315040010	PSTD	FX2004SMMNHBSOEU	Pallas FX200 - 4" Thread - Vol - NHWBSO piston - EU Transfo	

ACCESSORIES FOR PALLAS FX200 DUPLEX

Reference	Search Name	Item Name	€
0430990059	1007354	UK Transformer	
0430990121	1607329-F07E241	PCB Assy FX200	
0430050002	F1021-B1P010	Salt Sensor Version 2 with 2.5 m cable	
0430990019	W0018	Electric Motor Assy	
0430990064	Y3007	Flow Meter Assy (FX200/300)	
0430990056	Y3022	Seals/Spacer Assy (FX200)	
0430070009	Y2014	Softener Piston Assy (HW)(FX200)	
0430070011	Y2016	Softener Piston Assy (NHW)(FX200)	
0430070002	1431525-1	Filter Piston (HW)(FX200)	
0430070004	1431524-1	Filter Piston (NHW)(FX200)	
0430040078	N3020	1.5" BSPT Male Brass Connector	
0430040065	Y3006	2" BSPT Male Brass Connector (2pcs)	

