



FLECK 5800 SERIES VALVES

NEW PERFORMANCES,
NEW HEIGHTS

VALVE

Filtration Solutions | Fleck 5800 Series

A GREAT TRADITION SIMPLY BEING THE BEST

To celebrate this evolution, we literally gave new heights to the Fleck 5800 on November 1st 2014, by launching a 5800 valve into the stratosphere.

During its 2h15 flight, the platform went over 37'000 meters high. This flight was made to demonstrate that with the 5800, the Fleck legacy reaches new heights.





THE 5800 SERIES

VERSATILE COMPLIANT FLEXIBLE EASY TO MAINTAIN

VALVE

Filtration Solutions

Fleck 5800 Series

THE 5800 SERIES

A COMMON SOLUTION FOR A WIDE VARIETY OF APPLICATIONS

The Fleck 5800 valve series from Pentair provide a common solution for a wide variety of filtration and softening applications. Developed on the same platform as the 5800, the 5810 and 5812 valves offer flexibility with a familiar appearance, while reducing carrying costs.

5800

A blue and black Fleck 5800 valve with a digital display showing '1044' and several control buttons.

5810

A black Fleck 5810 valve with a digital display showing '1044' and several control buttons.

5812

A black Fleck 5812 valve with a digital display showing a schematic diagram and several control buttons.

DESCRIPTION

The 5800 series are engineered to easily adapt to a wide range of residential & commercial Water treatment.

Various configurations are possible and make this valve extremely versatile allowing water professionals to keep their stocks to a minimum for both filter or softening applications.

This serie features an improved flow, easy servicing (one-piece seal and spacer cartridge for quick and easy replacement) and a quick set-up.

USER FRIENDLY INTERFACE

ADVANCED FEATURES

EASY PROGRAMMING

TECHNICAL CHARACTERISTICS

ENCODER WHEEL

- 1 large slot for homing position, the others for positioning during regeneration

TREATED WATER REFILL

- Efficient regeneration – featured for iron removal

EASY MAINTENANCE

- Snap fit power head assembly
- One piece seal and spacer cartridge
- Backlit display

OPTICAL SENSOR TECHNOLOGY

- Optical sensor for piston positioning – high precision
- Regeneration flexibility

FASTER SETUP TIME

- DC motor 12 V, 10000 RPM, fast positioning for faster start up phases

TIME OF DAY BACKUP

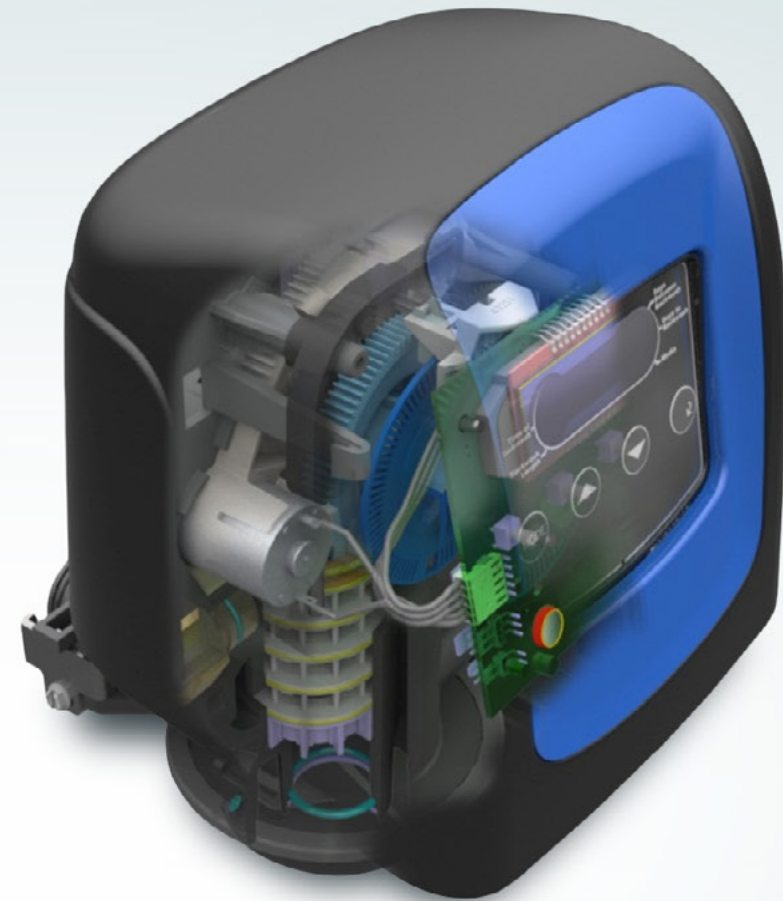
- Supercapacitor to keep data for a minimum of 8 hours in case of power failure

ADAPTABILITY

- Interchangeable controller (LXT-only 5800 / SXT / XTR)
- International transformer
- Easy DF/UF conversion

LCD SCREEN

- Backlit display that helps during low light conditions



OPTION

- ✓ Up flow regeneration
- ✓ Double backwash
- ✓ Filter
- ✓ Metered or timeclock regeneration
- ✓ Leakage detection (XTR only)
- ✓ Disinfection (XTR only)
- ✓ Variable brining (XTR only)

COMPLIANCES

- CE
- ACS
- DM174
- RoHS
- REACH

VALVE

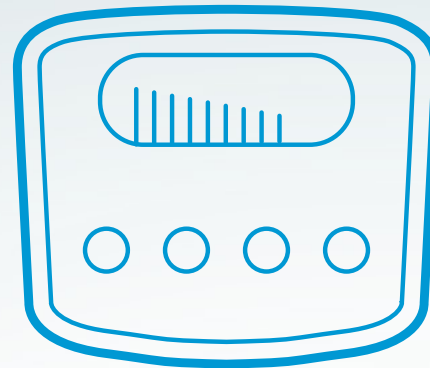


FEATURES & BENEFITS

INTERCHANGEABLE TIMERS



To upgrade a standard system into a premium one, simply by changing timer (LXT only with 5800)



FEATURES & BENEFITS

CROSS-COMPATIBILITY



Compatible for applications fitted with Fleck 5000, 5600, 6600, 6665, 6700, 6765, 7700 and 2510



FEATURES & BENEFITS

EASY SERVICING



Limited number of spares,
such as the one-piece seal
and spacer cartridge



FEATURES & BENEFITS

UP & DOWN FLOW



Effective in both upflow and downflow systems

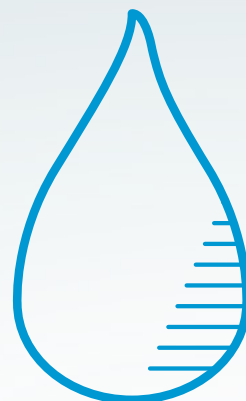


FEATURES & BENEFITS

EASIER & QUICKER



Valve's assembly and disassembly with a snap fit (clips) system with a limited number of screws, facilitating both set-up and maintenance



FEATURES & BENEFITS

REFILL WITH SOFT WATER



Improved regeneration
efficiency and reduced
maintenance



PLUG-AND-PLAY TIMERS

VALVE

Filtration Solutions

Fleck 5800 Series

LXT STORM

*Only for 5800



STANDARD



✓
Midsized LCD display

✓
**A maximum of 5 parameters
to complete set-up**

**Automatically calculates the
regeneration cycles duration**

✓
Preprogrammed versions

- Softening:
 - Chronometric or metered
 - DF or UF
- Filter

SXT TYPHOON



AVANCED



Large LCD display

Set cycle steps for increased flexibility

Programming can be modified at any time

- From time clock to meter
- From filter to softener
- From DF to UF

XTR HURRICANE



**PREMIUM TOUCH SCREEN
LCD DISPLAY**

**2 PROGRAMMABLE RELAY
OUTPUTS**

EXTREME DIY

PREMIUM



ADVANCED FEATURES

- Proportional brining
- Chlorination/desinfection
- Leak detection

EASY PROGRAMMING

- Master settings by category
- Familiar icons
- Intuitive navigation
- Password lock-out screen

USER-FRIENDLY INTERFACE

- Detailed screen descriptions
- Color LCD display
- Help/Assistance screen with optional dealer contact information
- Programmable Assistance Interval with alarm for maintenance

CHANGING FROM ONE TIMER TO ANOTHER

STORM/LXT

TYPHOON/SXT

HURRICANE/XTR

CONTROLLER		SXT / XTR					
PISTON TYPE	APPLICATION	Down flow					
		Softening		Filter		Softening	
	TYPE OF REGEN.	Chrono	Volumetric/Eco	Chrono	Volumetric/Eco	Chrono	
Down flow	Softening	Chrono	Change controller** Add turbine	Change controller** Change BLFC & DLFC * Mixing ***	Change controller** Add turbine Change BLFC & DLFC * Mixing ***	Change controller** Change piston Move injector	
	Volumetric /Eco	Change controller** Remove turbine	Change controller**	Change controller** Remove turbine Change BLFC & DLFC * Mixing ***	Change controller** Change BLFC & DLFC * Mixing ***	Change controller** Change piston Remove turbine Move injector	
LXT	Softening	Chrono	Change controller** Change piston Replace injector	Change controller** Change piston Change BLFC & DLFC * Mixing ***	Change controller** Change piston Add turbine Change BLFC & DLFC * Mixing ***	Change controller**	
	Volumetric /Eco	Change controller** Change piston Remove turbine Replace injector	Change controller** Change piston Replace injector	Change controller** Change piston Remove turbine Change BLFC & DLFC * Mixing ***	Change controller** Change piston Change BLFC & DLFC * Mixing ***	Change controller** Remove turbine	
Up flow	Chrono	Change controller** Change piston Change BLFC & DLFC *	Change controller** Change piston Add turbine	Change controller**	Change controller**	Change controller** Change BLFC & DLFC *	

All details for a successful change-over between two timers are available on the 5800 technical sheet.

5800 DETAILS

PARTS LIST

SPARE PART	REFERENCE	DESCRIPTION	QUANTITY PER BOX
Turbine	60626-01	Meter assy ¾ " turbine SE / SXT	1
Upflow piston	BR61838	Piston assy, UF, 5800	1
Down flow piston	BR61837	Piston assy, DF, 5800	1
BLFC (filter softening)	26958	BLFC plug assy	10
BLFC (filter softening)	18332-0.12	BLFC assy 1600	10
BLFC (filter softening)	18332-0.25	BLFC assy 1600	10
BLFC (filter softening)	18332-0.50	BLFC assy 1600	10
BLFC (filter softening)	18332-1	BLFC assy 1600	10
Mixing	24509-01	Mixing assy resid	10
Plug	26021	Mixing brass plug assy	5
DLFC	24078-0.8	DLFC & hose barb bent 2510/5000	10
DLFC	24078-1	DLFC & hose barb bent 2510/5000 1 gpm	10
DLFC	24078-1.2	DLFC & hose barb bent 2510/5000	10

LXT, SXT and XTR controllers can be interchanged without any special tool thanks to the same plug-and-play connectors.

LXT is only for 5800

VALVE



THE FLECK 5800, 5810 AND 5812 VALVES

VALVE

Filtration Solutions

Fleck 5800 Series

FLECK 5800

5800 features an improved flow, easy servicing (one-piece seal and spacer cartridge for quick and easy replacement) and a quick set-up.

TECHNICAL CHARACTERISTICS

VALVE BODY IN PPO GF

Dimensions and performances Inlet/Outlet: $\frac{3}{4}$ " or 1"

- Drain connection: $\frac{1}{2}$ " O.D.
- Brine line: $\frac{3}{8}$ "
- Mounting base: 2.5" – 8 NPSM
- Riser tube: 1.05" O.D.
- Service flow rate soft in m^3/h @ 1 bar ΔP : 4.7 (DF) / 4.3 (UF)
- Backwash flow rate soft in m^3/h @ 1.7 bar ΔP : 3.8 (DF) / 4 (UF)

Type of regeneration

- Timeclock /timeclock week
- Volumetric delayed or immediate



[VIEW ON WEBSITE](#)

ASSOCIATED CONTROLLERS

LXT
STORM

SXT
TYPHOON

XTR
HURRICANE

USER FRIENDLY INTERFACE

ADVANCED FEATURES

EASY PROGRAMMING

VALVE

FLECK 5810

Developed on the same platform as the 5800, the 5810 (1" valve body) valve offers flexibility with a familiar appearance, while reducing carrying costs and product knowledge

TECHNICAL CHARACTERISTICS

VALVE BODY IN PPO GF

Dimensions and performances Inlet/Outlet: 1" - 1 1/4" - 1 1/2" BSP

- Drain connection: 3/4" (up to 7 gpm) or 1" (up to 25 gpm)
- Brine line: 3/8"
- Mounting base: 2.5" - 8 NPSM
- Riser pipe: 1.05" OD or 32mm OD
- Service flow rate soft in m³/h @ 1 bar ΔP: 8.17 (DF) / 7.95 (UF) - continuous
- Backwash flow rate soft in m³/h @ 1.7 bar ΔP: 6.35 (DF) / 6.81 (UF)

Type of regeneration

- Timeclock / timeclock week
- Volumetric delayed or immediate

ASSOCIATED CONTROLLERS

SXT
TYPHOON

XTR
HURRICANE



[VIEW ON WEBSITE](#)

1" VALVE

REDUCED MAINTENANCE

VALVE

FLECK 5812

Developed on the same platform as the 5800, the 5812 (1¼" valve body) valve offers flexibility with a familiar appearance, while reducing carrying costs and product knowledge

TECHNICAL CHARACTERISTICS

VALVE BODY IN PPO GF

Dimensions and performances Inlet/Outlet: 1" - 1¼" - 1½" BSP

- Drain connection: 1" (2-35 gpm) or 1¼" (2-45 gpm)
- Brine line: ¾"
- Mounting base: 2.5" - 8 NPSM or 4" - 8UN
- Riser pipe: 32 mm OD (base 2.5") or 1.9" OD (base 4") OD
- Service flow rate soft in m³/h @ 1 bar ΔP: 9.8(DF)/8.9(UF) - continuous
- Backwash flow rate soft in m³/h @ 1.7 bar ΔP: 7.5(DF)/8.1(UF)

Type of regeneration

- Timeclock / timeclock week
- Volumetric delayed or immediate

ASSOCIATED CONTROLLERS

SXT
TYPHOON

XTR
HURRICANE

VALVE



[VIEW ON WEBSITE](#)

1.25" VALVE

REDUCED MAINTENANCE

EASY REPLACEMENT



REPLACEMENT PRODUCTS & COMPLETE RANGE

VALVE

Filtration Solutions

Fleck 5800 Series



FLECK 2510



FLECK 5000



FLECK 6600



FLECK 6700



FLECK 6765



FLECK 6665



FLECK 7700

REPLACED BY



FLECK 5800 SERIES



VALVE

Filtration Solutions

Fleck 5800 Series

VALVES COMPARATOR	5800	5810	5812	2510 (Obsolete)	2750	7700 (Obsolete)	2850
Valve material	PPO GF	PPO GF	PPO GF	PPO GF	Brass	PPO GF	Brass
Inlet / outlet	1" and ¾"	1", 1¼" and 1½"	1", 1¼" and 1½"	¾" and 1"	1"	1" and 1¼"	1½"
Service Kv	4.7(DF) / 4.3(UF)	8.17(DF) / 7.95(UF) / 7(filter)	9.8(DF) / 8.9(UF) / 8.4(filter)	4.3	5.9	6.2(std piston) / 8.1(HF piston and riser tube) / 8.3(filter piston)	11.6
Backwash @ 1,72 Bar ΔP	3.8(DF) / 4(UF)	6.35(DF) / 6.81(UF) / 7.5(filter)	7.5(DF) / 8.1(UF) / 10.2(filter)	3.8	5.6	8.6(std piston) / 10.4(HF piston and riser) / 10.7(filter piston)	13.2
Tank adapter	2.5"	2.5"	2.5" or 4"	2.5"	2.5"	2.5"	4"
Riser tube size	1.05"	1.05" or 32 mm OD (DN25)	32mm OD (DN25) or 1.9" OD	1.05"	1.05"	1.05" or 32 mm (HF)	DN40 (50mm ext.)
Riser tube cut	-7 mm up to flush with top of tank	-7 mm up to flush with top of tank	-7 mm up to flush with top of tank	-15 mm up to flush with top tank	-6 mm up to +4 mm	-5 mm up to flush with top of tank	-15 mm up to flush with top tank
Upflow regeneration	yes	yes	yes	no	no	no	no
NBP option	external	external	external	yes	yes	no	yes
Mixing	yes	yes	yes	no	no or external	yes	no or external
Filter option	yes	yes	yes	yes	yes	yes	yes
Treated water refill	yes	yes	yes	no	no	no	no
On-board programmable relay	yes	yes	yes	yes	yes	no	yes
Controllers	LXT, SXT, XTR	SXT, XTR	SXT, XTR	mech, SXT	mech., SXT, NXT	SXT	mech., SXT, NXT
Multiplex option	with XTR only	with XTR only	with XTR only	no	with NXT only	no	with NXT only
Customizable regen sequence	yes	yes	yes	yes	yes	yes	yes

VALVE



**THANK
YOU** FOR REACHING
NEW HEIGHTS

SEE MORE
ON OUR
WEBSITE

