

FLECK

A BRAND
WITH HISTORY

FLECK VALVES

Fleck valves cover a wide range of application, either softening or filtration, residential, commercial or industrial, hot or cold water. Over the past decades, Fleck has demonstrated a proven record of performance and reliability year after year.

MORE THAN 60 YEARS OF EXPERIENCE

Fleck Controls, Inc. was founded in the U.S. in 1950. It started to produce brine valves in 1958 and the first water softener valve in 1963. In 1995 Fleck was acquired by Pentair, the world leader in high technology flow control products providing innovative solutions for residential, commercial and industrial applications.

QUALITY

All valves from the Fleck range have been certified by major EU certificates: CE, 206 / 95 / EC low voltage, 2004 / 108 / EC electromagnetic compatibility, ACS and DM174. On top that, our Pisa plant is ISO 9001: 2015 certified.

MANUFACTURING

From the 70s, Fleck valves(except 5800 valve)have been assembled in Europe in order to better serve the european customers. Today, the production is located in our European center of expertise for valves in Pisa, Italy, where Autotrol and Siata valves were already assembled.



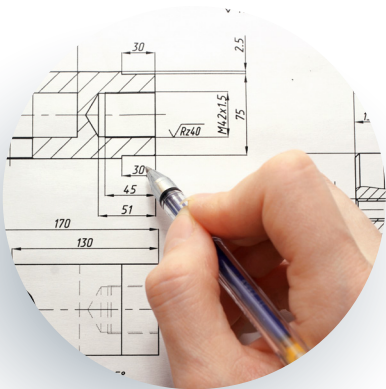
Fleck production site in Pisa, Italy

INNOVATION FOCUS

A permanent wish of research and innovation in strong and reliable products allowed Fleck to become with Pentair a leading brand with a global recognition. With approximately 3 million of valves produced in Europe since 1975, we continue to be committed to reliable and innovative products' manufacturing. This responsibility comes from the great Fleck legacy which dates back to 60 years ago, but also from Pentair's overall focus "Continuous improvement in order to satisfy customers' expectations".

CUSTOMIZATION

Today with more than 13 models, Fleck product line has the valve that sets you apart: something unique to sell as you target specific customer needs.



The complete range of Fleck valves

			Residential					Commercial			Industrial				
											Mono piston			Bi piston	
															
			4600	5600 SXT	5800	5810	5812	9000	9100	9500	2750	2850	3150	2910	3900
Valve material			Brass	PPO ¹	PPO ¹	PPO ¹	PPO ¹	Brass	PPO ¹	Brass	Brass	Brass	Brass	Brass	Brass
Inlet/Outlet			¾ or 1"	¾ or 1"	¾ or 1"	1 or 1 ¼" BSP	1 or 1 ¼" BSP	¾ or 1"	¾ or 1"	1 ½"	1"	1 ½"	2"	2"	3"
Service flow rate (m³/h/gpm)			4.5/20	4.5/20	4.7/21	DF/UF/Filter 8.17/36 - 7.9/39 - 7/31	DF/UF/Filter 9.9/43 - 8.9/39 - 8.4/37	4.0/17	4.0/17	8.4/37	5.9/26	11.6/51	22/97	24/105	57/250
Backwash flow rate (m³/h/gpm)			1.6/7	1.6/7	3.8/16	DF/UF/Filter 6.3/28 - 6.9/30 - 7.5/33	DF/UF/Filter 7.5/33 - 8.1/36 - 9.9/45	1.9/8	1.9/8	3.3/14	5.6/25	11.1/48	24/105	7.9/35	24/105
Softener tank size			6-12"	6-12"	6-16"	8-21"	8-24"	6-16"	6-16"	10-24"	10-24"	10-30"	24-60"	14-36"	30-60"
Filter tank size			N/A	N/A	8-16"	8-21"	8-24"	N/A	N/A	N/A	10-21"	10-24"	24-42"	14-24"	24-42"
Upflow regeneration				•	•	•	•	•	•				•	•	•
Chlorinator					•										
External by-pass			•	•	•	•	•	Eco by-pass	Eco by-pass						
Mixing			•	•	•	•	•		•						
Hot water			•					•		•	•	•	•	•	•
Timer type			Mechanical	SXT	LXT(Storm)/ SXT(Typhoon)/XTR(Hurricane)	SXT(Typhoon)/ XTR(Hurricane)	SXT(Typhoon)/ XTR(Hurricane)	SXT/ET	SXT/ET	SXT/ET	SXT/NXT2	SXT/NXT2	NXT2	SXT/NXT2	NXT2
Adjustable cycles				•	SXT/XTR	•	•	•	•	•	•	•	•	•	•
NBP piston											•	•	•	•	•
Manual											•	•	•		
Duplex								Twin	Twin	Twin	•	•	•	•	•
Multiplex											With NXT2 only	With NXT2 only	With NXT2 only	With NXT2 only	With NXT2 only

¹PPO: Polyphenylene oxyde

BRASS PISTON WITH LOW FRICTION COATING: THE HEART OF FLECK VALVES' PERFORMANCE

Offering an exceptionally broad line of high quality valves for water treatment, Fleck product range ensures that the customer could find the valve needed for his/her specific application.

Basic to the Fleck control's reputation for high quality and performance is a time-tested hydraulically balanced piston, seal and spacer concept to effectively pilot service flow and regeneration.

The only internal moving part is a brass piston with low friction coating.



TIMERS OVERVIEW



	Electromechanical	LXT	SXT	XTR2	NXT2
Display type	Time or volume based program wheels	Midsized LCD display with blue backlight	Large LCD display with blue backlight	LCD display Touchscreen	2-4 Line scrolling text / OLED
Adjustable cycles	•		•	•	•
Super capacitor <i>Time of day</i>		•	•	•	•
Programmable auxiliary relay			DC Only (1 relay)	2 relays	2 relays
Programmable remote start				•	•
Remote lockout				•	•
Password lockout			•	•	•
LED Status indicator					•
Diagnostics		•	•	•	•
Usage history		•	•	•	•
Auxiliary switch	•				
Forward /Backward menu navigation				•	•
Multi valve networking					2-8
Reset to custom settings				•	•
Push settings					•
Field programmer Upload/Download				•	
Multi language	N/A	Pictograms	Pictograms	6	7
Valve compatibility	2750, 2850, 2910, 3150, 3900, 4600, 5600, 9000, 9100, 9500	5800	2750, 2850, 2910, 4600, 5600, 5800, 5810, 5812, 9000, 9100, 9500	5800, 5810, 5812	2750, 2850, 2910, 3150, 3900

ADDITIONAL ACCESSORIES

Fleck offers a complete range of accessories, such as distributor systems and air checks, any kind of adapters, yokes and by-passes as well as a selection of safety brine valves. This selection allows us to create a product configuration, perfectly adapted for each customer specific application, being residential, commercial or industrial.



Stainless steel by-pass



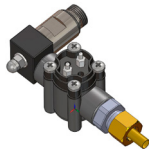
Rotating side mount adapter for 2850 or 2910



Plastic yoke



7700 bypass



Chlorine cell management



Safety Brine Valve 2310

