

FLECK® 2900s

2-INCH CONTROL VALVE

MADE IN TH

OF FOREIGN & DOMESTIC PARTS

FEATURES/BENEFITS

Lead-free brass valve body for superior strength and durability

Continuous service flow rate of 106 GPM with a backwash of 36 GPM

Backwash capability accommodates softener tanks up to 36" and filter up to 24" in diameter

Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system

Designed for single or multiple tank systems

Environmental protective cover for water resistance, corrosion resistance, and UV stability

Time-tested, hydraulically-balanced piston for service and regeneration

Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

OPTIONS

Filter or softener control valves

Downflow co-current or upflow counter-current regeneration

No hard water bypass piston

Brine cam auxiliary switch

Electromechanical timer auxiliary switch

Hot water

Treated water regeneration

Versatile top or side mount

Electromechanical 7- or 12-day time clock, meter delayed, or meter immediate regeneration

NXT- Network controller uses on-board communication capabilities to link multiple valves (via off-the-shelf CAT3, CAT5, or better cables) for system types 4,5,6,7,9, and 14

XT- Offers a two-line, 16 character LCD backlit display for easy entering of master and user programing as well as view of diagnostics

Electromechanical Timer- Simple to adjust and easy to service with quick access to all internal components



TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 61 Section 8 Material Safety Only.



TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 372 for Lead Free Compliance.



UL recognized to 979



Restriction of Hazardous Substance Compliant

VALVE SPECIFICATIONS		DIMENSIONS	
Valve Material	304L Stainless Steel	Distributor Pilot	1/2" (12.7 mm)
End/Outlet	2" NPT/1.315"	Drain Line	2" NPT/1.315"
Cycles	5	Boiler Valve	1500 or 1700 1700 or 1710
FLOW RATES (50 PSI INLET) – VALVE ALONE		Injector System	1600 or 1700
Continuous	100 GPM (3.8 m ³ /hr)	Mounting Base	4" (102 mm)
Peak	140 GPM (5.3 m ³ /hr)	Height from Top of Tank	12" (305 mm)
CV	27.5	Boiler Tube Diameter	1-1/2" (38 mm)
Max. Backwash	20 GPM (0.8 m ³ /hr)	Boiler Height	1/4" Below Top of Tank
REGENERATION		TYPICAL APPLICATIONS	
Drawdown Option	Yes	Water Softener	14"–36" diameter
Automatic System	Yes	Filter	14"–36" diameter max. 100 GPM
Time Available	0–240 min/regeneration 0–240 min/cycle 0–240 min/cycle	ADDITIONAL INFORMATION	
METER INFORMATION		Estimated Volume	24,000/240 500/day
Water Accuracy	2" (50 mm) 3" (76 mm)	Estimated Shipping Weight	40 lbs
Water Capacity Range	2" (50 mm) 3" (76 mm)	Pressure	Hydrostatic 400 psi 150 psi
2" (50 mm)	1,200–21,000 gal (5–15 m ³)	Working	40–100 psi (2.7–6.9 bar)
3" (76 mm)	4,200–105,000 gal (16–40 m ³)	Temperature	Cold Water/Water 34–100°F (1–38°C) Hot Water/Water 34–160°F (1–67°C) Cold Water/Steam 34–150°F (1–67°C)
4" (102 mm)	12,000–210,000 gal (45–80 m ³)		
6" (152 mm)	15,000–280,000 gal (56–106 m ³)		
8" (203 mm)	15,000–280,000 gal (56–106 m ³)		
10" (254 mm)	15,000–280,000 gal (56–106 m ³)		
12" (305 mm)	15,000–280,000 gal (56–106 m ³)		
14" (355 mm)	15,000–280,000 gal (56–106 m ³)		
16" (406 mm)	15,000–280,000 gal (56–106 m ³)		
18" (457 mm)	15,000–280,000 gal (56–106 m ³)		
20" (508 mm)	15,000–280,000 gal (56–106 m ³)		
22" (559 mm)	15,000–280,000 gal (56–106 m ³)		
24" (610 mm)	15,000–280,000 gal (56–106 m ³)		
26" (660 mm)	15,000–280,000 gal (56–106 m ³)		
28" (711 mm)	15,000–280,000 gal (56–106 m ³)		
30" (762 mm)	15,000–280,000 gal (56–106 m ³)		
32" (813 mm)	15,000–280,000 gal (56–106 m ³)		
34" (864 mm)	15,000–280,000 gal (56–106 m ³)		
36" (914 mm)	15,000–280,000 gal (56–106 m ³)		
38" (965 mm)	15,000–280,000 gal (56–106 m ³)		
40" (1,016 mm)	15,000–280,000 gal (56–106 m ³)		
42" (1,067 mm)	15,000–280,000 gal (56–106 m ³)		
44" (1,118 mm)	15,000–280,000 gal (56–106 m ³)		
46" (1,168 mm)	15,000–280,000 gal (56–106 m ³)		
48" (1,219 mm)	15,000–280,000 gal (56–106 m ³)		
50" (1,270 mm)	15,000–280,000 gal (56–106 m ³)		
52" (1,321 mm)	15,000–280,000 gal (56–106 m ³)		
54" (1,372 mm)	15,000–280,000 gal (56–106 m ³)		
56" (1,423 mm)	15,000–280,000 gal (56–106 m ³)		
58" (1,473 mm)	15,000–280,000 gal (56–106 m ³)		
60" (1,524 mm)	15,000–280,000 gal (56–106 m ³)		
62" (1,575 mm)	15,000–280,000 gal (56–106 m ³)		
64" (1,626 mm)	15,000–280,000 gal (56–106 m ³)		
66" (1,676 mm)	15,000–280,000 gal (56–106 m ³)		
68" (1,727 mm)	15,000–280,000 gal (56–106 m ³)		
70" (1,778 mm)	15,000–280,000 gal (56–106 m ³)		
72" (1,829 mm)	15,000–280,000 gal (56–106 m ³)		
74" (1,880 mm)	15,000–280,000 gal (56–106 m ³)		
76" (1,930 mm)	15,000–280,000 gal (56–106 m ³)		
78" (1,981 mm)	15,000–280,000 gal (56–106 m ³)		
80" (2,032 mm)	15,000–280,000 gal (56–106 m ³)		
82" (2,083 mm)	15,000–280,000 gal (56–106 m ³)		
84" (2,134 mm)	15,000–280,000 gal (56–106 m ³)		
86" (2,185 mm)	15,000–280,000 gal (56–106 m ³)		
88" (2,236 mm)	15,000–280,000 gal (56–106 m ³)		
90" (2,286 mm)	15,000–280,000 gal (56–106 m ³)		
92" (2,337 mm)	15,000–280,000 gal (56–106 m ³)		
94" (2,388 mm)	15,000–280,000 gal (56–106 m ³)		
96" (2,438 mm)	15,000–280,000 gal (56–106 m ³)		
98" (2,489 mm)	15,000–280,000 gal (56–106 m ³)		
100" (2,540 mm)	15,000–280,000 gal (56–106 m ³)		
102" (2,591 mm)	15,000–280,000 gal (56–106 m ³)		
104" (2,642 mm)	15,000–280,000 gal (56–106 m ³)		
106" (2,693 mm)	15,000–280,000 gal (56–106 m ³)		
108" (2,743 mm)	15,000–280,000 gal (56–106 m ³)		
110" (2,794 mm)	15,000–280,000 gal (56–106 m ³)		
112" (2,845 mm)	15,000–280,000 gal (56–106 m ³)		
114" (2,896 mm)	15,000–280,000 gal (56–106 m ³)		
116" (2,947 mm)	15,000–280,000 gal (56–106 m ³)		
118" (2,998 mm)	15,000–280,000 gal (56–106 m ³)		
120" (3,048 mm)	15,000–280,000 gal (56–106 m ³)		
122" (3,099 mm)	15,000–280,000 gal (56–106 m ³)		
124" (3,150 mm)	15,000–280,000 gal (56–106 m ³)		
126" (3,201 mm)	15,000–280,000 gal (56–106 m ³)		
128" (3,252 mm)	15,000–280,000 gal (56–106 m ³)		
130" (3,303 mm)	15,000–280,000 gal (56–106 m ³)		
132" (3,354 mm)	15,000–280,000 gal (56–106 m ³)		
134" (3,405 mm)	15,000–280,000 gal (56–106 m ³)		
136" (3,456 mm)	15,000–280,000 gal (56–106 m ³)		
138" (3,507 mm)	15,000–280,000 gal (56–106 m ³)		
140" (3,558 mm)	15,000–280,000 gal (56–106 m ³)		
142" (3,609 mm)	15,000–280,000 gal (56–106 m ³)		
144" (3,660 mm)	15,000–280,000 gal (56–106 m ³)		
146" (3,711 mm)	15,000–280,000 gal (56–106 m ³)		
148" (3,762 mm)	15,000–280,000 gal (56–106 m ³)		
150" (3,813 mm)	15,000–280,000 gal (56–106 m ³)		
152" (3,864 mm)	15,000–280,000 gal (56–106 m ³)		
154" (3,915 mm)	15,000–280,000 gal (56–106 m ³)		
156" (3,966 mm)	15,000–280,000 gal (56–106 m ³)		
158" (4,017 mm)	15,000–280,000 gal (56–106 m ³)		
160" (4,068 mm)	15,000–280,000 gal (56–106 m ³)		
162" (4,119 mm)	15,000–280,000 gal (56–106 m ³)		
164" (4,170 mm)	15,000–280,000 gal (56–106 m ³)		
166" (4,221 mm)	15,000–280,000 gal (56–106 m ³)		
168" (4,272 mm)	15,000–280,000 gal (56–106 m ³)		
170" (4,323 mm)	15,000–280,000 gal (56–106 m ³)		
172" (4,374 mm)	15,000–280,000 gal (56–106 m ³)		
174" (4,425 mm)	15,000–280,000 gal (56–106 m ³)		
176" (4,476 mm)	15,000–280,000 gal (56–106 m ³)		
178" (4,527 mm)	15,000–280,000 gal (56–106 m ³)		
180" (4,578 mm)	15,000–280,000 gal (56–106 m ³)		
182" (4,629 mm)	15,000–280,000 gal (56–106 m ³)		
184" (4,680 mm)	15,000–280,000 gal (56–106 m ³)		
186" (4,731 mm)	15,000–280,000 gal (56–106 m ³)		
188" (4,782 mm)	15,000–280,000 gal (56–106 m ³)		
190" (4,833 mm)	15,000–280,000 gal (56–106 m ³)		
192" (4,884 mm)	15,000–280,000 gal (56–106 m ³)		
194" (4,935 mm)	15,000–280,000 gal (56–106 m ³)		
196" (4,986 mm)	15,000–280,000 gal (56–106 m ³)		
198" (5,037 mm)	15,000–280,000 gal (56–106 m ³)		
200" (5,088 mm)	15,000–280,000 gal (56–106 m ³)		
202" (5,139 mm)	15,000–280,000 gal (56–106 m ³)		
204" (5,190 mm)	15,000–280,000 gal (56–106 m ³)		
206" (5,241 mm)	15,000–280,000 gal (56–106 m ³)		
208" (5,292 mm)	15,000–280,000 gal (56–106 m ³)		
210" (5,343 mm)	15,000–280,000 gal (56–106 m ³)		
212" (5,394 mm)	15,000–280,000 gal (56–106 m ³)		
214" (5,445 mm)	15,000–280,000 gal (56–106 m ³)		
216" (5,496 mm)	15,000–280,000 gal (56–106 m ³)		
218" (5,547 mm)	15,000–280,000 gal (56–106 m ³)		
220" (5,598 mm)	15,000–280,000 gal (56–106 m ³)		
222" (5,649 mm)	15,000–280,000 gal (56–106 m ³)		
224" (5,700 mm)	15,000–280,000 gal (56–106 m ³)		
226" (5,751 mm)	15,000–280,000 gal (56–106 m ³)		
228" (5,802 mm)	15,000–280,000 gal (56–106 m ³)		
230" (5,853 mm)	15,000–280,000 gal (56–106 m ³)		
232" (5,904 mm)	15,000–280,000 gal (56–106 m ³)		
234" (5,955 mm)	15,000–280,000 gal (56–106 m ³)		
236" (6,006 mm)	15,000–280,000 gal (56–106 m ³)		
238" (6,057 mm)	15,000–280,000 gal (56–106 m ³)		
240" (6,108 mm)	15,000–280,000 gal (56–106 m ³)		
242" (6,159 mm)	15,000–280,000 gal (56–106 m ³)		
244" (6,210 mm)	15,000–280,000 gal (56–106 m ³)		
246" (6,261 mm)	15,000–280,000 gal (56–106 m ³)		
248" (6,312 mm)	15,000–280,000 gal (56–106 m ³)		
250" (6,363 mm)	15,000–280,000 gal (56–106 m ³)		
252" (6,414 mm)	15,000–280,000 gal (56–106 m ³)		
254" (6,465 mm)	15,000–280,000 gal (56–106 m ³)		
256" (6,516 mm)	15,000–280,000 gal (56–106 m ³)		
258" (6,567 mm)	15,000–280,000 gal (56–106 m ³)		
260" (6,618 mm)	15,000–280,000 gal (56–106 m ³)		
262" (6,669 mm)	15,000–280,000 gal (56–106 m ³)		
264" (6,720 mm)	15,000–280,000 gal (56–106 m ³)		
266" (6,771 mm)	15,000–280,000 gal (56–106 m ³)		
268" (6,822 mm)	15,000–280,000 gal (56–106 m ³)		
270" (6,873 mm)	15,000–280,000 gal (56–106 m ³)		
272" (6,924 mm)	15,000–280,000 gal (56–106 m ³)		
274" (6,975 mm)	15,000–280,000 gal (56–106 m ³)		
276" (7,026 mm)	15,000–280,000 gal (56–106 m ³)		
278" (7,077 mm)	15,000–280,000 gal (56–106 m ³)		
280" (7,128 mm)	15,000–280,000 gal (56–106 m ³)		
282" (7,179 mm)	15,000–280,000 gal (56–106 m ³)		
284" (7,230 mm)	15,000–280,000 gal (56–106 m ³)		
286" (7,281 mm)	15,000–280,000 gal (56–106 m ³)		
288" (7,332 mm)	15,000–280,000 gal (56–106 m ³)		
290" (7,383 mm)	15,000–280,000 gal (56–106 m ³)		
292" (7,434 mm)	15,000–280,000 gal (56–106 m ³)		
294" (7,485 mm)	15,000–280,000 gal (56–106 m ³)		
296" (7,536 mm)	15,000–280,000 gal (56–106 m ³)		
298" (7,587 mm)	15,000–280,000 gal (56–106 m ³)		
300" (7,638 mm)	15,000–280,000 gal (56–106 m ³)		
302" (7,689 mm)	15,000–280,000 gal (56–106 m ³)		
304" (7,740 mm)	15,000–280,000 gal (56–106 m ³)		
306" (7,791 mm)	15,000–280,000 gal (56–106 m ³)		
308" (7,842 mm)	15,000–280,000 gal (56–106 m ³)		
310" (7,893 mm)	15,000–280,000 gal (56–106 m ³)		
312" (7,944 mm)	15,000–280,000 gal (56–106 m ³)		
314" (7,995 mm)	15,000–280,000 gal (56–106 m ³)		
316" (8,046 mm)	15,000–280,000 gal (56–106 m ³)		
318" (8,097 mm)	15,000–280,000 gal (56–106 m ³)		
320" (8,148 mm)	15,000–280,000 gal (56–106 m ³)		
322" (8,199 mm)	15,000–280,000 gal (56–106 m ³)		
324" (8,250 mm)	15,000–280,000 gal (56–106 m ³)		
326" (8,301 mm)	15,000–280,000 gal (56–106 m ³)		
328" (8,352 mm)	15,000–280,000 gal (56–106 m ³)		
330" (8,403 mm)	15,000–280,000 gal (56–106 m ³)		
332" (8,454 mm)	15,000–280,000 gal (56–106 m ³)		
334" (8,505 mm)	15,000–280,000 gal (56–106 m ³)		
336" (8,556 mm)	15,000–280,000 gal (56–106 m ³)		
338" (8,607 mm)	15,000–280,000 gal (56–106 m ³)		
340" (8,658 mm)	15,000–280,000 gal (56–106 m ³)		
342" (8,709 mm)	15,000–280,000 gal (56–106 m ³)		
344" (8,760 mm)	15,000–280,000 gal (56–106 m ³)		
346" (8,811 mm)	15,000–280,000 gal (56–106 m ³)		
348" (8,862 mm)	15,000–280,000 gal (56–106 m ³)		
350" (8,913 mm)	15,000–280,000 gal (56–106 m ³)		