NEW BLATFORM OF COMPACE DURABLE

NEW PLATFORM OF COMPACT, DURABLE VALVES PROVIDE SUPERIOR PERFORMANCE





430 Ball Valve Series

Three Types to Suit All Types of Sprayers and Spray Operations

430 Ball Valves are available in three styles. Each style has many features and specifications in common. However, the design of each style differs and provides distinct advantages:

- 430 2-Way Ball Valves provide simple, dependable on/off control
- 430 3-Way Ball Valves maintain consistent spraying pressure even when individual sections are switched on and off.
 Chemicals are always applied consistently during spraying and over- and under-application problems are eliminated
- 430 Flow Back Ball Valves offer instant shut-off at nozzles, eliminating application problems resulting from nozzles
 continuing to spray after the section has been switched off

430 BALL VALVE SERIES PERFORMANCE OVERVIEW

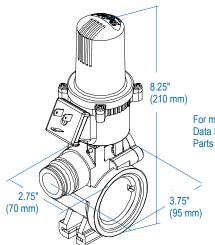
PERFORMANCE OVERVIEW	111111111111111111111111111111111111111	20000	
	430 2-Way Ball Valve	430 3-Way Ball Valve	430 Flow Back Ball Valve
Reliable on/off control	1	1	1
Instant shut-off at spray tips			✓
Maintains constant system pressure with diaphragm or piston pumps		✓	
Special feature	Standard on/off control	Pump side of valve; solution directed to tank or boom	Boom side of valve; solution returned to tank
Quick response, low amperage	✓	1	1
Extensive rate controller compatibility	✓	✓	✓
Automatic boom section control compatibility	1	1	1
Easy installation	✓	✓	✓
Applications	Simple, small- and medium-size sprayers	Sophisticated sprayers with positive displacement pumps and sprayers with many sections	Wide range of sprayers with moderate per section flow requirements

430 2-Way Ball Valves

Economical, Reliable On/Off Control

- Durable all metal gears provide long wear life; stainless steel stem and ball resist corrosion
- Economical reliable performance at a reasonable cost

Flow rate –11.7 gpm (44 l/min) @ 5 psi (.34 bar) pressure drop;
 16.5 gpm (63 l/min) @ 10 psi (.69 bar) pressure drop

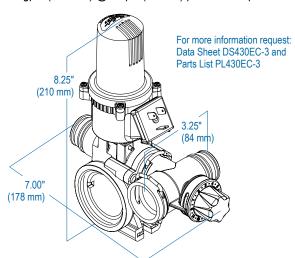




430 3-Way Ball Valves

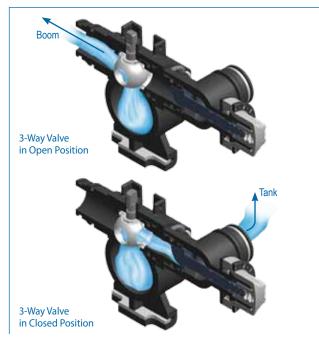
Maintains Consistent Spraying Pressure When Sections Switch On and Off

- Minimizes the risk of over- or under-application.
 Excellent pressure stability when boom sections are switched on or off
- · Utilizes adjustable bypass dial to match section flow to bypass flow
- Used with positive displacement pumps (diaphragm pumps or piston pumps)
- Flow rate –11.7 gpm (44 l/min) @ 5 psi (.34 bar) pressure drop;
 16.5 gpm (63 l/min) @ 10 psi (.69 bar) pressure drop





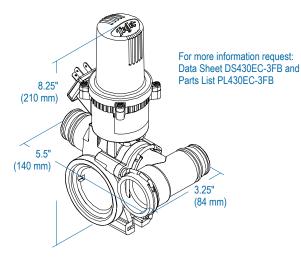
HOW 430 3-WAY BALL VALVES WORK



430 Flow Back Ball Valves

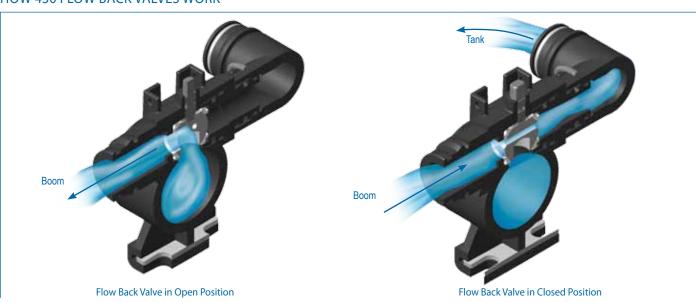
Patented Design Stops Flow to Tips Instantly, Eliminates Chemical Waste

- Minimizes risk of over- or mis-application and enables spraying to row ends. Boom pressure is relieved when valve is in the off position and results in instant spray tip shut-off. A minimal amount of liquid is diverted back to the tank to relieve the pressure.
 Spraying stops 80 to 95% faster when Flow Back valves are used
- Spraying resumes instantly. The boom remains full of spray solution and ready to spray when turned on
- Perfect companion to Automatic Boom Section Control (ABSC).
 Flow Back system optimizes ABSC function by linking controller and spray tip interaction
- Reduces chemical expense by eliminating waste and protects waterways and other areas outside intended boundaries
- Flow rate: 9.2 gpm (35 l/min) @ 5 psi (.34 bar) pressure drop;
 13.7 gpm (53 l/min) @ 10 psi (.69 bar) pressure drop





HOW 430 FLOW BACK VALVES WORK



430 SERIES BALL VALVE SPECIFICATIONS SUMMARY

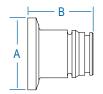
- Maximum pressure: 215 psi (15 bar)
- Flow rate for 2-Way and 3-Way valves:
 11.7 gpm (44 l/min) @ 5 psi (.34 bar) pressure drop
 16.5 gpm (63 l/min) @ 10 psi (.69 bar) pressure drop
- Flow rate for Flow Back valves:
 Flow rate: 9.2 gpm (35 l/min) @ 5 psi (.34 bar) pressure drop;
 13.7 gpm (53 l/min) @ 10 psi (.69 bar) pressure drop
- Current draw: < 0.5 AMP @12 VDC
- Response time: 0.6 seconds
- Wetted materials: Polypropylene, stainless steel, VITON®, PTFE

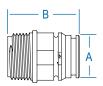
- Motor: EC single pole, single throw switch;
 E double pole, double throw switch
- Motor assembly IP67
- Resettable internal fuse disconnect power for 20 seconds to reset
- · Built-in mini-DIN connector
- Compatible with TeeJet® Quick-Connect fittings on Flow Back and bypass ports
- Outlet connections: 90° or straight TeeJet Quick-Connect hose barb fittings

QUICK CONNECT FITTING KITS

Description	Series	Part No
1/2" Straight Hose Barb		45529-1/2
3/4" Straight Hose Barb		45529-3/4
1" Straight Hose Barb		45529-1
1/2" 90° Hose Barb	QC	45529-90-1/2
3/4" 90° Hose Barb	QC	45529-90-3/4
1" 90° Hose Barb	45529-90	45529-90-1
Quick Connect Plug		45529-P
Quick Connect Cap		45529-C

O-ring and clip included.





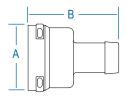
QUICK CONNECTION OUTLET

Description	Α	В
Male Quick Connect Flange	2" (51 mm)	1-13/16" (46 mm)
Quick Connect	1-15/16" (49 mm)	2" (51 mm)

QUICK CONNECTION OUTLET*

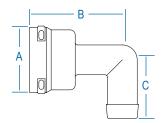
Description	Series	Part No
Male Quick Connect Flange	50	CP46029-PP
Quick Connect	3/4" (M)	CP45527-NYB
Quick Connect	1" (M)	CP45226-NYB

^{*} O-ring and clip not included.



QUICK CONNECT STRAIGHT HOSE BARB

Description	Α	В
1/2" Straight Hose Barb	4.44400	0.444
3/4" Straight Hose Barb	1-11/16" (42.7 mm)	2-1/4" (57 mm)
1" Straight Hose Barb	(12.7 11111)	(07 11111)



90° QUICK CONNECT HOSE BARB

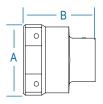
Description	Α	В	С
1/2" 90° Hose Barb			
3/4" 90° Hose Barb	1-11/16" (42.7 mm)	2-19/64" (58.4 mm)	1-29/64" (38.6 mm)
1" 90° Hose Barb	(12.7 11111)	(00.111111)	(00.0 11111)

CLIP AND O-RING

Description	Part No	
Retaining Clip 302SS	CP37166-1-302SS	
O-Ring Viton®	CP7717-3-912-VI	

LARGE QUICK CONNECT FITTINGS

Description	Series	Part No.
3/4" Female Thread		(B)58456-3/4
1" Female Thread		(B)58456-1
1-1/4" Female Thread		(B)58456-1-1/4
1-1/2" Female Thread		(B)58456-1-1/2
Cap Fitting	Large Quick	58456-C
Gauge Port Fitting	Connect	(B)58456-1/4
1" Straight Hose Barb		58456-1000
1-1/4" Straight Hose Barb		58456-1250
1-1/2" Straight Hose Barb		58456-1500
2" Straight Hose Barb		58456-2000

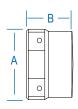


LARGE QUICK CONNECT FITTING

Description	Α	В
1/4" Female Thread (Gauge Port)		2-1/4" (57 mm)
3/4" Female Thread		2-1/2" (64 mm)
1" Female Thread	2-1/2" (64 mm)	2-1/2" (64 mm)
1-1/4" Female Thread	_	2-1/2" (64 mm)
1-1/2" Female Thread	-	2-1/2" (64 mm)



O-ring and clip included.



LARGE QUICK CONNECT CAP FITTING

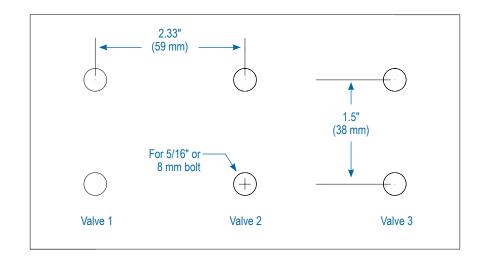
Description	Α	В
Cap Fitting	2-1/2" (64 mm)	1-5/8" (41 mm)

For more information request: Cable – Data Sheets DS58480 and DS58480X2 Inlets – Parts List PL58456 Outlets – Parts List PL45529

LARGE QUICK CONNECT STRAIGHT HOSE BARB FITTING

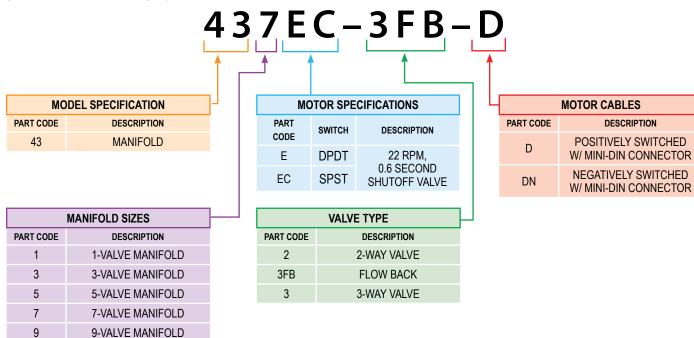
Description	Α	В
1" Straight Hose Barb		3-1/4" (83 mm)
1-1/4" Straight Hose Barb	2 1/2" (61 mm)	3-1/4" (83 mm)
1-1/2" Straight Hose Barb	2-1/2" (64 mm)	3-1/2" (89 mm)
2" Straight Hose Barb		4" (102 mm)

BOLT HOLE PATTERN



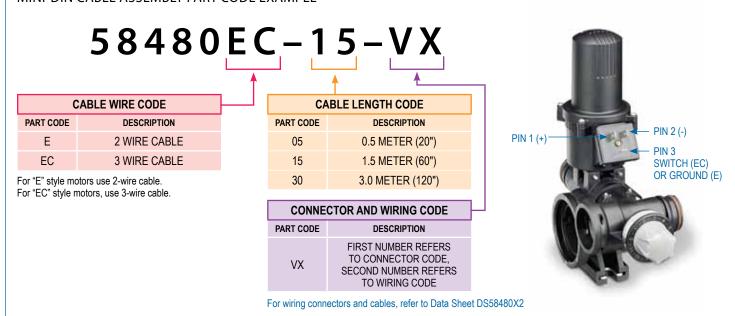
HOW TO ORDER

SAMPLE VALVE PART NUMBER



MINI-DIN CABLE ASSEMBLY PART CODE EXAMPLE

Other manifold sizes are available.



VITON is a registered trademark of E.I. DuPont de Nemours and Co.



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