

**FEATURES:** Waterproof, UV modified, glass-filled nylon motor case • NEMA 6P & 7D rated • High Torque motors with Perm-a-Lube gears • Torques up to 500 lb-in. for 1/4" – 5" valves • Stainless steel hardware • 90° Bi-directional rotation • 12 or 24 VDC & 24VAC actuators • Geared for the OEM • Valves include 316 SS balls and stems • Stainless Steel, Brass, and Polypropylene bodies • Nylon in select sizes • Dual Viton® O-rings.

**Other Models Available! Please Call With Your Unique Specifications.**

## KZVALVE Replacement Actuators for Major Self-Propelled & Pull Sprayers

**KZVALVE Replacement Actuators and Valves** fit many major self-propelled and pull-type sprayers in the field. Each Actuator ships with complete wiring diagrams along with pigtail harness (*mating connector to bare wire, no dust plug*). Weatherpack, Deutsch and other connections available. Both on/off and regulating actuators are available. Actuator housings are NEMA 6P & 7D rated for outdoor use and washdown.



### Replacement Actuators Only:

Part No.	Actuator Type	On/Off or Regulating	Seconds To Close	Volts
KZ 10EZS-PF1	EH2	On/Off	0.5	12/24
KZ 10EYS-PF1	EH2	On/Off	1.5	12/24
KZ 10EWS-PF1	EH2	On/Off	3.0	12/24

## EH9 Series Actuators

### 12/24V - For 3/4" – 1-1/2" Valves

The **EH9 Series** is **KZValve's** next-generation actuator series, engineered with higher torque capability, more robust electronics, and featuring new CANBUS platform compatibility. All EH9 actuators are 12/24VDC capable (1.9-amp draw) with On/Off actuation and positive position feedback at closed. Waterproof nylon housing rated to NEMA 7D and IP68M for outdoor and washdown applications. Rated torque of 40 – 100 in. lbs. (Stall torque of 240 in. lbs.) and an operating temperature range of -40° F to 185° F. EH9 actuators are drop-in compatible with 3/4" – 1-1/2" valves.

**NOTE: KZValve EH9 actuators are direct plug-in with 4-Pin Deutsch receptacle lids and therefore do NOT include pigtail or adapter wiring harnesses – must be purchased separately.**



Part No.	On/Off or Regulating	Seconds To Close	Volts
KZ 1CE7S-D01	On/Off	3.0	12/24
KZ 1CE8S-D01	On/Off	1.7	12/24
KZ 1CE9S-D01	On/Off	0.7	12/24
KZ 1CE9S-C01*	On/Off	0.7	12/24
KZ 398-0716	Adaptor Harness, 4-Pin Weatherpack to Deutsch Plug		
KZ 398-0721	Adaptor Harness, Deutsch Receptacle to Deutsch Plug		
KZ 398-0722	Adaptor Harness, 3-Pin Weatherpack to Deutsch Plug		

\* Actuator includes factory installed Raven Conxall adapter wiring harness

**Includes 316SS Balls/Stems • Poly Valve Bodies • PTFE Seats • Stem Seals with Dual Viton® O-Rings.**



F2F33-10D20-P01



### Actuated Valves (No Manifolds Included)

Part No.	Port Size/Type	Valve/Actuator Type	On/Off or Regulating	Seconds To Close	Volts
KZ F2E33-10D20-P01	3/4" FPT	Poly Ball (EH3)	On/Off	0.8	12
KZ F2F33-10D20-P01	1" FPT	Poly Ball (EH3)	On/Off	0.8	12

Letter "P" Denotes 3 Pin/3 Wire Weatherpack Connector

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## KZVALVE 12/24-Volt Manifold Systems



**QX4** Stackable ball valves feature a poly valve with 1" SS ball and a 2" full port (M220 x M220) flange inlet stackable manifold included. Rated at 150 PSI. Standard with 2" (M200) flange outlets. Quick-release hairpin outlet fittings available from 1/2" to 1" in straight hose barb or 90° hose barb (order separately). Units have O-rings at all sealing points. Valves feature an EH9 generation actuator with a 0.7 second close time and direct-plug, 4-pin Deutsch receptacle lid.

**Note:** Hairpin outlet fittings must be ordered separately. Each Fitting includes (2) O-Rings. Order 1 fitting for each outlet in valve stack. **Hairpin outlet fitting package not included in valve prices.**

Part No.	Manifold Series	Description
KZ 403-3C2-1CE9S-D01	QX4	Three Valve Assembly (Reverse Inlet).....

All Actuators are On/Off Operation. Regulating Models Available Upon Request.

## KZVALVE Manifold Outlet Fittings

Nylon Rated to 300 PSI W.P. - Poly 15- PSI W.P.



### Manifold Outlet Fittings:

Part No.	Description
KZ QHN-075	3/4" Straight Nylon Hose Barb.....
KZ QHN-075F	3/4" FPT Nylon Thread.....
KZ QHN-075L	3/4" 90° Nylon Hose Barb.....
KZ QHN-100-45	1" 45° Nylon Hose Barb.....
KZ QHN-100L	1" 90° Nylon Hose Barb.....
KZ QHP-050	1/2" Straight Poly Hose Barb.....
KZ QHP-075F	3/4" Poly Thread.....
KZ QHP-075L	3/4" 90° Poly Hose Barb.....
KZ QHP-100	1" Straight Poly Hose Barb.....
KZ QX-102	Quick Release Hairpin.....
KZ QX-180	Manifold End Cap.....
KZ QX-201	O-Ring for Manifold End Cap.....
KZ QX-220	Bolt for Manifold End Cap (4 required).....

\* Nylon Not Suited for Acid-Based Fertilizers & Solutions.

## KZVALVE Adapter Harness



**KZVALVE Adapter Harness** easily converts your new 3-pin actuator to an existing 4-pin system for versatile application.

Part No.  
KZ 398-0103