

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 • 12/24 VDC actuators • Geared for the OEM • Valves include 316 SS balls and stems • Polypropylene bodies • Dual Viton® O-rings.

Other Models Available! Please Call With Your Unique Specifications.

KZValve 12/24-Volt Poly Ball Valves

KZValve Replacement Actuators and Valves fit many major self-propelled and pull-type sprayers. Each KZ ball valve features a robust polypropylene valve body, 316 stainless-steel ball and stem, PTFE seat, and dual Viton O-ring stem seals. These 12- and 24-volt poly ball valves have FPT outlets and manifold-style inlets which are designed to clamp to an existing KZValve manifold – ensuring quick and easy drop-in replacement on existing sprayer systems. On/Off operation (regulating available) with full port flow performance. The 2-way ball valves include EH9 actuators with waterproof, UV modified, NEMA 7D/IP68M nylon housings ideal for demanding outdoor and washdown applications and direct-plug lids for simple wiring customization.



F2F33-1CE9S-D01

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. See EH9 actuators below for options.



Part No.	Port Size/Type	On/Off or Regulating	Seconds To Close	Volts
KZ F2E33-1CE9S-D01	3/4" FPT	On/Off	0.7	12/24
KZ F2F33-1CE9S-D01	1" FPT	On/Off	0.7	12/24

EH2 Series Actuators 12/24V · For 1" – 3" Valves

EH2 Series actuators ship complete with wiring diagrams and standard pigtail harness (mating connector to bare wire, no dust plug). Weatherpack, Deutsch, and other end connection options available. All EH2 actuators are 12/24VDC capable (1.9-amp draw) with either On/Off or Regulating actuation. Feature waterproof nylon housings rated to NEMA 7D and IP68M for outdoor and washdown applications. Rated torque of 110 in. lbs. (Stall torque of 500-600 in. lbs.) and an operating temperature range of -32° F to 125° F. EH2 actuators are drop-in compatible with 1" – 3" valves.



Part No.	On/Off or Regulating	Seconds To Close	Volts
KZ 10E2S-PF1	On/Off	0.5	12/24
KZ 10E2S-PF1	On/Off	1.5	12/24
KZ 10E2S-PF1	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 -32° F to 125° 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 L0E8S-D01**	Regulating	1.7	12/24
KZ L0E9S-D01**	Regulating	0.7	12/24
KZ 398-0716	Adapter Harness, 4-Pin Weatherpack to Deutsch Plug		
KZ 398-0721	Adapter Harness, Deutsch Receptacle to Deutsch Plug		
KZ 398-0722	Adapter Harness, 3-Pin Weatherpack to Deutsch Plug		

* Actuator includes factory installed Raven Conxall adapter wiring harness
** CANBUS control

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.

KZ VALVE 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