

ELECTRICAL REGULATING BALL VALVE MODEL EBV91



In HVAC and water system, ball valves are used as automatic control valves. It has adjustable flow ratio, high reliability and long service life. It uses graphite to strengthen the valve body sealing ring and double EPDM valve stem sealing ring. It has integrated valve distribution butterfly inside and is not afraid of reverse pressure difference. It has the characteristic of equal percentage flow. Its high turn-off pressure is 1.4MPa. The rated working pressure is PN20. The maximum working pressure difference is 0.35Mpa. It has a manual actuator short-circuit push button .

Working temperature is -5 to 121 °C. It is suitable for central air conditioning, hot and cold water supply system, steam humidification, etc.

Features

- The electric ball valve actuator has the characteristics of quick switching, which can realize the opening and closing of the valve in a short time
- The fluid resistance of the electric ball valve actuator is small, which can reduce the pressure loss of fluid in the pipeline and improve the overall efficiency of the pipeline

Technical parameter

General

Function parameter

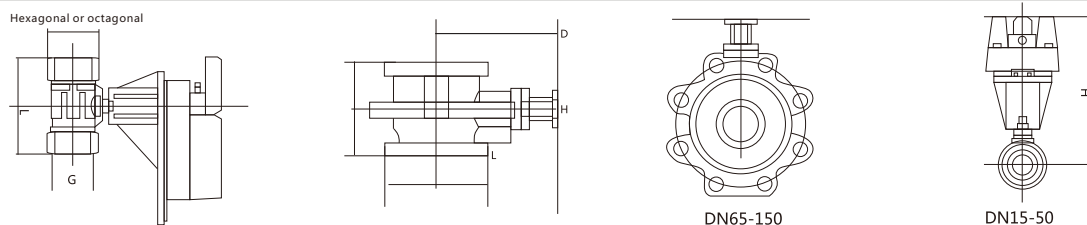
Diameter range	DN15-DN150
Connection mode	DN15-DN50(female thread connection) DN65-DN150(flanged connection)
Adjustable ratio of valve	>100
Leakage rat	No leakage from the factory
Max. allowable pressure difference	0.35Mpa
Max. cutoff pressure difference	1.4Mpa
Rotation angle	0...90°
Installation position	Vertical installation
Flow characteristics	Equal percentage

Bearing pressure of valve body	1.6M paflang 2.0Mpa screw thread
Material of valve body	Forged brass (thread) nodular cast iron (flange)
Valve core material	304 stainless steel
Valve stem material	304 stainless steel
Sealing ring	EPDM

Operating conditions

Medium	Hot and cold water, unsaturated steam, 50% ethanol water, etc.
Temperature	Medium: -5...+120°C [+23...+248°F]

Dimensiones in mm



Model	G	H(mm)	H1(mm)	L(mm)	Model	Flange indexing circle	L(mm)	D(mm)	H(mm)	n-d
DN 15	G1/2	184	37.5	60	DN 65	145	97	105	136	4-18
DN 20	G3/4	184	44	73	DN 80	160	108	120	140	8-18
DN 25	G1	189	47	89	DN 100	175	120	145	104	8-18
DN 32	G1-1/4	199	52.5	102.5	DN 125	200	145	175	115	8-18
DN 40	G1-1/2	208	57	113	DN 150	230	165	205	138	8-18
DN 50	G2	219	62	127.5						

Ordering information

Model		Diameter	Two-way flow	Power supply	Control signal	Fauxiliary switch	Bracket	Actuator
Two-way	Three-way							
EBV91 15-V	EBV91 15-Y	DN 15	4.0	AC/DC24V/230V	switch/adjust	one set	High platform ball valve bracket with packing / short ball valve bracket with packing	4NM
EBV91 20-V	EBV91 20-Y	DN 20	4.0	AC/DC24V/230V	switch/adjust	one set	High platform ball valve bracket with packing / short ball valve bracket with packing	4NM
EBV91 25-V	EBV91 25-Y	DN 25	10.0	AC/DC24V/230V	switch/adjust	two sets	High platform ball valve bracket with packing / short ball valve bracket with packing	6NM
EBV91 32-V	EBV91 32-Y	DN 32	16.0	AC/DC24V/230V	switch/adjust	two sets	High platform ball valve bracket with packing / short ball valve bracket with packing	6NM
EBV91 40-V	EBV91 40-Y	DN 40	25.0	AC/DC24V/230V	switch/adjust	two sets	High platform ball valve bracket with packing / short ball valve bracket with packing	6NM
EBV91 50-V	EBV91 50-Y	DN 50	40.0	AC/DC24V/230V	switch/adjust	two sets	High platform ball valve bracket with packing / short ball valve bracket with packing	6NM
EBV91 65-V	/	DN 65	63.0	AC/DC24V/230V	switch/adjust	two sets	High platform ball valve bracket with packing	16NM
EBV91 80-V	/	DN 80	100.0	AC/DC24V/230V	switch/adjust	two sets	High platform ball valve bracket with packing	16NM
EBV91 100-V	/	DN 100	160.0	AC/DC24V/230V	switch/adjust	two sets	Ball valve bracket with packaging	24NM
EBV91 125-V	/	DN 125	250.0	AC/DC24V/230V	switch/adjust	two sets	Ball valve bracket with packaging	24NM
EBV91 150-V	/	DN 150	400.0	AC/DC24V/230V	switch/adjust	two sets	Ball valve bracket with packaging	32NM