2-way Smart Irrigation Valve

Get going with the 4G/Lorawan valve for farm warting,your essential smart watering Assistant

The MQ-2B two-way smart irrigation ball valve boasts 4G/Loran communication and rechargeable batteries, with a 1.3w solar panel for additional power. It can easily replace standard valves on the market, thanks to its standard installation hole size. With the convenience of remote control via our intuitive mobile app and web portal, this smart valve is perfect for a diverse range of applications including landscaping, greenhouse management, orchard irrigation, agricultural irrigation, and IoT flow control.



Model:MQ-2

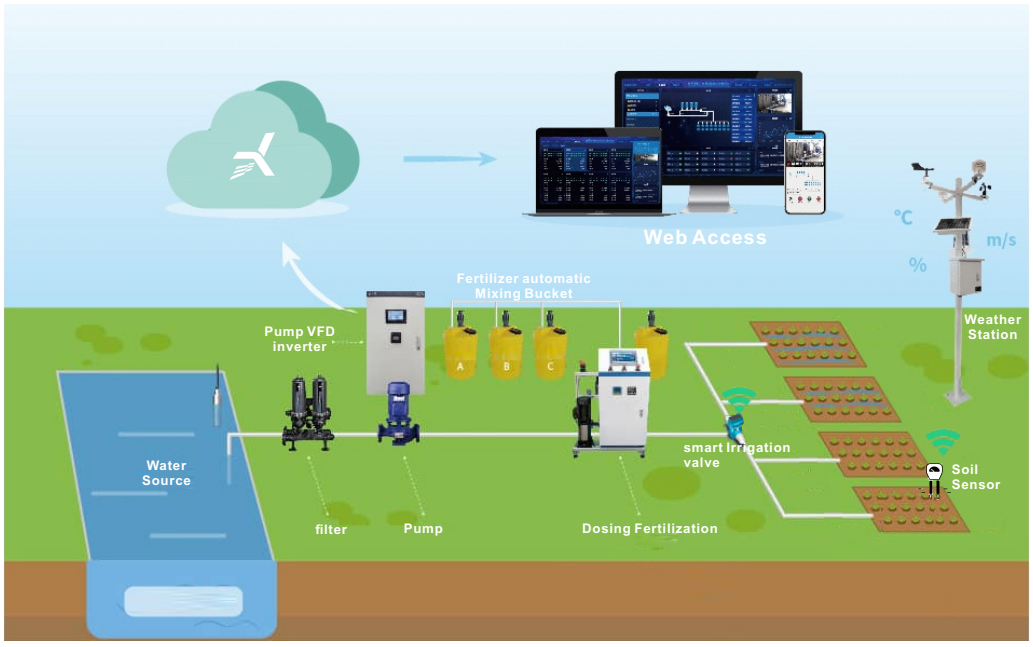


DN32~DN100 size available

Features & Benefits

- Easy to install and dismantle
- IP65 rated suits for outdoor usage
- Innovative 4G/lorawan wireless controlled
- 21700 battery with solar charge operation plus external 12-24VDC
- Real-time feedback of valve and actuator status
- Fault warning and low battery warning
- Multi leak proof rings are used with chemical resisitant materials

Typical Application



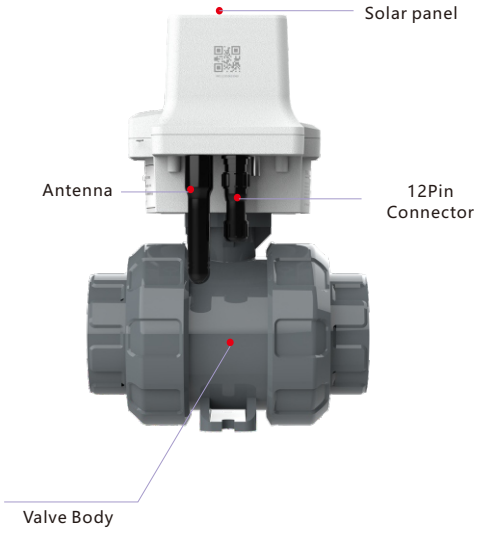


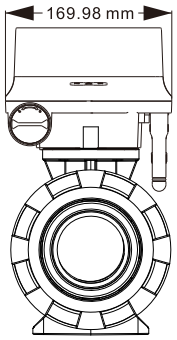


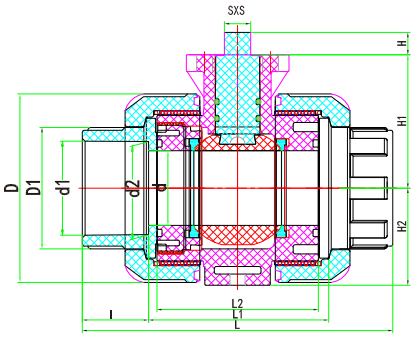
Technical Specification

Basic Parameter	Rated Pressure	PN10
	ort Size	DN32~DN100
	Connection	Female Threaded/Solven Welded Optional
	Valve Type	Ball Valve
	Material	Valve:PVC-U; Acutator:Nylong+fiber
Flow Monitoring(Optional)	Starting speed	>0.1m/S
	Accuracy	4 Class
Enviroment	Suitable fluids	Water/Oil
	Working Temperature	0-55 °C
Power	Solar Panel	1.3w
	Battery	Rechargeable 21700 (4000mAH)
	External Power Input	12V DC
Others	Network	4G/Lorawan
	Solar Panel	6v,220mA,1.3W
	Power supply	21700 Battery + Solar panel, external 12VDC
	Ip Rated	IP65
	Actuator Torque	65N.m

Know the product







SIZE	d	L	I	d1					d2				
				UPVC/CPVC				PPH	UPVC/CPVC				PPH
				DIN	JIS	ANSI	CNS	DIN	DIN	JIS	ANSI	CNS	DIN
1-1/4"(32)	32	150.50	32.50	40.25	38.43	42.28	42.50	39.00	40.05	37.85	42.05	41.90	38.60
1-1/2"(40)	40	168.00	35.50	50.25	48.46	48.40	48.60	48.90	50.05	47.75	48.12	47.90	48.60
2"(50)	50	180.00	38.50	63.25	60.56	60.45	60.60	61.90	63.05	59.75	60.18	59.90	61.40
2-1/2"(65)	63	235.00	44.50	75.25	76.60	73.30	76.70	73.60	75.05	75.87	72.85	75.90	72.30
3"(80)	75	265.00	51.00	90.35	89.60	89.25	89.70	88.30	90.05	88.83	88.70	88.90	86.90
4"(100)	90	304.00	61.50	110.3	114.7	114.6	115.0	108.0	110.0	113.9	114.1	113.80	106.4

SIZE	D	D1	L1	L2	H	H1	H2	SXS	C	B1	B2	E	F	Operating torque(N.M)
1-1/4"(32)	87.00	55.50	85.00	76.00	11.00	61.50	44.25	11X11	50	M6	8	/	56	3.5
1-1/2"(40)	101.00	62.00	95.50	86.50	12.00	71.50	51.50	11X11	50	M6	8	/	58	4.5
2"(50)	121.00	79.00	103.00	92.00	12.00	82.50	62.00	11X11	50	M6	8	/	70	5.5
2-1/2"(65)	150.00	94.20	146.00	134.00	15.00	94.50	79.50	14X14	70	M8	10	30	84	7.5
3"(80)	169.50	110.00	163.00	148.00	15.00	105.00	90.00	14X14	70	M8	10	32	90	8.5
4"(100)	190.00	132.00	181.00	157.00	15.00	117.50	96.00	14X14	70/100	M8/M10	10	40	100	12.0

Ordering Specification

Part No.	X	X	Separator	XX
	Valve Type	Network		Outlet Connection type
MQ-2	32 40 50 65 80	G-4G(cat-1) A-Lorawan	-	FF-BSP Female xFemaleThreaded SW- Female-Solven Welded
Example:MQ-232G-FF - This code represents smart 2-way irrigation valve with DN32 port size ,4G network and BSP female x female threaded for outlets.				