

# CONTROL VALVE DATA

2022

**ecoeARTH**  
TECHNOLOGY

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## MANUAL CONTROL VALVE



**Manual Filter Valve**

Model	SD2-1	SD4E	SD4	SD10
Installation Method	Top mount, left in and right out	Top mount, left in and right out	Top mount, left in and right out	Top mount, left in and right out
In & Out	G3/4" internal thread	1" internal thread	1" internal thread	1.5" internal thread
Drain	G3/4" internal thread	1" internal thread	1" internal thread	1.5" internal thread
Central Pipe	1.05" OD	1.05" OD	Φ32 mm OD	Φ50 mm OD
Base	2.5" NPSM	2.5" NPSM	2.5" NPSM	4"-8UN
Water Production	1.5-3 T/H	3-4.5 T/H	4-6 T/H	8-15 T/H
Inlet Water Temperature	1-49 °C	1-49 °C	1-49 °C	1-49 °C
Operation Pressure	0.1-0.6 MPa	0.1-0.6 MPa	0.1-0.6 MPa	0.1-0.6 MPa



**Manual Soften Valve**

Model	SD2-R	SD4E-R	SD4-R	SD10-R
Installation Method	Top mount, left in and right out	Top mount, left in and right out	Top mount, left in and right out	Top mount, left in and right out
In & Out	G3/4" internal thread	1" internal thread	1" internal thread	1.5" internal thread
Drain	G3/4" internal thread	1" internal thread	1" internal thread	1.5" internal thread
Central Pipe	1.05" OD	1.05" OD	Φ32 mm OD	Φ50 mm OD
Salt Suction Port	3/8"	3/8"	3/8"	3/8"
Base	2.5" NPSM	2.5" NPSM	2.5" NPSM	4"-8UN
Water Production	1.5-3 T/H	3-4.5 T/H	4-6 T/H	8-15 T/H
Inlet Water Temperature	1-49 °C	1-49 °C	1-49 °C	1-49 °C
Operation Pressure	0.1-0.6 MPa	0.1-0.6 MPa	0.1-0.6 MPa	0.1-0.6 MPa

## AUTOMATIC CONTROL VALVE / Automatic Filter Valve



Model	GL2-2	GL2-2M	GL4-2E	GL4-2EM	GL4-2	GL4-2M
Name	Time filter	Flow filter	Time filter	Flow filter	Time filter	Flow filter
Display Method	LED		LED		LED	
Installation Method	Top mount, left in and right out		Top mount, left in and right out		Top mount, left in and right out	
In & Out	G3/4" internal thread		1" internal thread		1" internal thread	
Drain	G3/4" internal thread		1" internal thread		1" internal thread	
Central Pipe	1.05" OD		1.05" OD		Φ32 mm OD	
Base	2.5" NPSM		2.5" NPSM		2.5" NPSM	
Water Production	1.5-3 T/H		3-4.5 T/H		4-6 T/H	
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz	
Inlet Water Temperature	1-49 °C		1-49 °C		1-49 °C	
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa	



Model	GL10-2	GL10-2M	GL2-1		GL4-1	
Name	Time filter	Flow filter	Time and flowing dual mode filter valve		Time and flowing dual mode filter valve	
Display Method	LED		LED	LCD	LED	LCD
Installation Method	Top mount, left in and right out		Top mount, left in and right out		Top mount, left in and right out	
In & Out	1.5" internal thread		Socket G3/4" external thread connector		Socket G1" external thread connector	
Drain	1.5" internal thread		Socket G3/4" external thread connector		Socket G1" external thread connector	
Water Distributor	-		Included		Included	
Central Pipe	Φ50 mm OD		1.05" OD		Φ32 mm OD	
Base	4"-8UN		2.5" NPSM		2.5" NPSM	
Water Production	8-15 T/H		0.5-3 T/H		4-6 T/H	
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz	
Inlet Water Temperature	1-49 °C		1-60 °C		1-60 °C	
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa	

## AUTOMATIC CONTROL VALVE / Automatic Filter Valve



Model	GL10-1	GL15T
Name	Time and flowing dual mode filter valve	Time and flowing dual mode filter valve
Display Method	LCD	LCD
Installation Method	Top mount, left in and right out	Top mount, left in and right out
In & Out	Socket G1.5" external thread connector	Socket G2" external thread connector
Drain	Socket G1.5" external thread connector	Socket G1.5" external thread connector
Central Pipe	Φ50 mm OD	Φ50 mm OD
Upper & Lower Opening Interface	-	-
Base	4"-8UN	4"-8UN
Water Production	8-12 T/H	15-18 T/H
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz	AC 110 V – 240 V, 50-60 Hz
Inlet Water Temperature	1-60 °C	1-60 °C
Operation Pressure	0.1-0.6 MPa	0.1-0.6 MPa



Model	GL10-1S	GL15
Name	Time and flowing dual mode filter valve	Time and flowing dual mode filter valve
Display Method	LCD	LCD
Installation Method	Side mount, right in and left out	Side mount, right in and left out
In & Out	Socket G1.5" external thread connector	Socket G2" external thread connector
Drain	Socket G1.5" external thread connector	Socket G1.5" external thread connector
Central Pipe	-	-
Upper & Lower Opening Interface	DN50	DN50
Base	4"-8UN	4"-8UN
Water Production	10-15 T/H	15-18 T/H
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz	AC 110 V – 240 V, 50-60 Hz
Inlet Water Temperature	1-60 °C	1-60 °C
Operation Pressure	0.1-0.6 MPa	0.1-0.6 MPa



## AUTOMATIC CONTROL VALVE / Automatic Filter Valve



Model	GL20		GL20T	
Name	Time and flowing dual mode filter valve		Time and flowing dual mode filter valve	
Display Method	LCD	Touch screen	LCD	Touch screen
Installation Method	Side mount, left in and right out		Top mount, right in and left out	
In & Out	G2" active connection port		G2"	
Drain	G2" external thread connector		G2"	
Central Pipe	-		Φ50 mm OD	
Upper & Lower Opening Interface	DN50		-	
Base	-		4"-8UN	
Water Production	18-25 T/H		18-25 T/H	
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz	
Inlet Water Temperature	1-60 °C		1-60 °C	
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa	



Model	GL40		GL40T		GL50	
Name	Time and flowing dual mode filter valve		Time and flowing dual mode filter valve		Time and flowing dual mode filter valve	
Display Method	LCD	Touch screen	LCD	Touch screen	LCD	Touch screen
Installation Method	Side mount, left in and right out		Top mount, right in and left out		Side mount, left in and right out	
In & Out	DN65/DN80		DN65/DN80		DN80	
Drain	G2"		G2"		G2.5"	
Central Pipe	-		Φ90 mm		-	
Upper & Lower Opening Interface	DN65		-		DN80	
Base	-		6" flange		-	
Water Production	30-45 T/H		30-45 T/H		50-70 T/H	
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz	
Inlet Water Temperature	1-60 °C		1-60 °C		1-60 °C	
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa	

## AUTOMATIC SOFTEN VALVE / Fixed Bed Soften Valve



Model	GR2-2	GR2-2M	GR4-2E	GR4-2EM	GR4-2	GR4-2M
Name	Fixed bed time soften	Fixed bed flow soften	Fixed bed time soften	Fixed bed flow soften	Fixed bed time soften	Fixed bed flow soften
Display Method	LED		LED		LED	
Installation Method	Top mount, left in and right out		Top mount, left in and right out		Top mount, left in and right out	
In & Out	G3/4" internal thread		1" internal thread		1" internal thread	
Drain	G3/4" internal thread		1" internal thread		1" internal thread	
Salt Suction Port	3/8"		3/8"		3/8"	
Central Pipe	1.05" OD		1.05" OD		Φ32 mm OD	
Base	2.5" NPSM		2.5" NPSM		2.5" NPSM	
Water Production	0.5-3 T/H		3-4.5 T/H		4-6 T/H	
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz	
Inlet Water Temperature	1-49 °C		1-49 °C		1-49 °C	
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa	



Model	GR10-2	GR10-2M	GR2-1		GR4-1E	
Name	Fixed bed time soften	Fixed bed flow soften	Fixed bed dual mode soften valve		Fixed bed dual mode soften valve	
Display Method	LED		LED	LCD	LED	LCD
Installation Method	Top mount, left in and right out		Top mount, left in and right out		Top mount, left in and right out	
In & Out	1.5" internal thread		Socket G3/4" external thread connector		Socket G1" external thread connector	
Drain	1.5" internal thread		Socket G1/2" external thread connector		Socket G1/2" external thread connector	
Salt Suction Port	3/8"		3/8"		3/8"	
Central Pipe	Φ50 mm OD		1.05" OD		1.05" OD	
Base	4"-8UN		2.5" NPSM		2.5" NPSM	
Water Distributor	-		Included		Included	
Water Production	8-15 T/H		0.5-3 T/H		4-5 T/H	
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz	
Inlet Water Temperature	1-49 °C		1-60 °C		1-60 °C	
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa	

## AUTOMATIC SOFTEN VALVE / Fixed Bed Soften Valve



Model	GR4-1		GR10-1	GR15T
Name	Fixed bed dual mode soften valve		Fixed bed dual mode soften valve	Fixed bed dual mode soften valve
Display Method	LED	LCD	LCD	LCD
Installation Method	Top mount, left in and right out		Top mount, left in and right out	Top mount, left in and right out
In & Out	Socket G1" external thread connector		Socket G1.5" external thread connector	Socket G2" external thread connector
Drain	Socket G1/2" external thread connector		Socket G1.5" external thread connector	Socket G1.5" external thread connector
Salt Suction Port	3/8"		3/8"	16 mm
Brine Valve	-		-	YF600 (come in with automatic soften valve and must be used)
Central Pipe	Φ32 mm OD		Φ50 mm OD	Φ50 mm OD
Base	2.5" NPSM		4"-8UN	4"-8UN
Water Distributor	Included		-	-
Water Production	4-6 T/H		8-12 T/H	15-18 T/H
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz	AC 110 V – 240 V, 50-60 Hz
Inlet Water Temperature	1-60 °C		1-60 °C	1-60 °C
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa	0.1-0.6 MPa



Model	GR10-1S	GR15	GR20	
Name	Fixed bed dual mode soften valve	Fixed bed dual mode soften valve	Fixed bed dual mode soften valve	
Display Method	LCD	LCD	LCD	Touch screen
Installation Method	Side mount, right in and left out	Side mount, right in and left out	Side mount, left in and right out	
In & Out	Socket G1.5" external thread connector	Socket G2" external thread connector	G2" active connection port	
Drain	Socket G1.5" external thread connector	Socket G1.5" external thread connector	G2" external thread connector	
Salt Suction Port	3/8"	16 mm	16 mm	
Brine Valve	-	YF600 (come in with automatic soften valve and must be used)	YF600 (come in with automatic soften valve and must be used)	
Upper & Lower Opening Interface	2" active connection port	2" active connection port	2" active connection port	
Water Production	10-15 T/H	15-18 T/H	15-28 T/H	
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz	AC 110 V – 240 V, 50-60 Hz	AC 110 V – 240 V, 50-60 Hz	
Inlet Water Temperature	1-60 °C	1-60 °C	1-60 °C	
Operation Pressure	0.1-0.6 MPa	0.1-0.6 MPa	0.1-0.6 MPa	



## AUTOMATIC SOFTEN VALVE / Fixed Bed Soften Valve



Model	GR20T		GR40		GR40T		GR50	
Name	Fixed bed dual mode soften valve		Fixed bed dual mode soften valve		Fixed bed dual mode soften valve		Fixed bed dual mode soften valve	
Display Method	LCD	Touch screen	LCD	Touch screen	LCD	Touch screen	LCD	Touch screen
Installation Method	Top mount, right in and left out		Side mount, left in and right out		Top mount, right in and left out		Side mount, left in and right out	
In & Out	G2" active connection port		DN65/DN80 flange		DN65/DN80 flange		DN80 flange	
Drain	G2" external thread connector		G2" external thread connector		G2" external thread connector		G2.5" external thread connector	
Salt Suction Port	16 mm		16 mm		16 mm		1/2"	
Brine Valve	YF600 (come in with automatic soften valve and must be used)		YF600 (come in with automatic soften valve and must be used)		YF600 (come in with automatic soften valve and must be used)		YF454 (come in with automatic soften valve and must be used)	
Upper & Lower Opening Interface	-		DN65 flange		-		DN80 flange	
Central Pipe	Φ50 mm OD		-		Φ90 mm		-	
Base	4"-8UN		-		6" flange connection		-	
Water Production	15-25 T/H		30-45 T/H		30-45 T/H		50-70 T/H	
Built-In Power Supply	AC 110 V - 240 V, 50-60 Hz		AC 110 V - 240 V, 50-60 Hz		AC 110 V - 240 V, 50-60 Hz		AC 110 V - 240 V, 50-60 Hz	
Inlet Water Temperature	1-60 °C		1-60 °C		1-60 °C		1-60 °C	
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa	

## AUTOMATIC SOFTEN VALVE / Floating Bed Soften Valve



Model	DR2-1		DR4-1		DR10-1
Name	Floating bed dual mode soften valve		Floating bed dual mode soften valve		Floating bed dual mode soften valve
Display Method	LED	LCD	LED	LCD	LCD
Installation Method	Top mount, left in and right out		Top mount, left in and right out		Top mount, left in and right out
In & Out	Socket G3/4" external thread connector		Socket G1" external thread connector		Socket G1.5" external thread connector
Drain	Socket G1/2" external thread connector		Socket G1/2" external thread connector		Socket G1.5" external thread connector
Salt Suction Port	3/8"		3/8"		3/8"
Brine Valve	-		-		YF600 (come in with automatic soften valve and must be used)
Central Pipe	1.05" OD		Φ32 mm OD		Φ50 mm OD
Base	2.5" NPSM		2.5" NPSM		4"-8UN
Water Distributor	Included		Included		-
Water Production	0.5-3 T/H		4-6 T/H		8-12 T/H
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz		AC 110 V – 240 V, 50-60 Hz
Inlet Water Temperature	1-60 °C		1-60 °C		1-60 °C
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa




Model	DR15T	DR10-1S	DR15	DR20
Name	Floating bed dual mode soften valve	Floating bed dual mode soften valve	Floating bed dual mode soften valve	Floating bed dual mode soften valve
Display Method	LCD	LCD	LCD	LCD   Touch screen
Installation Method	Top mount, left in and right out	Side mount, right in and left out	Side mount, right in and left out	Side mount, right in and left out
In & Out	Socket G2" external thread connector	Socket G1.5" external thread connector	Socket G2" external thread connector	G2" active connection port
Drain	Socket G1.5" external thread connector	Socket G1.5" external thread connector	Socket G1.5" external thread connector	G2" external thread connector
Salt Suction Port	3/8"	3/8"	3/8"	1/2"
Brine Valve	YF600 (come in with automatic soften valve and must be used)	YF600 (come in with automatic soften valve and must be used)	YF600 (come in with automatic soften valve and must be used)	YF600 (come in with automatic soften valve and must be used)
Upper & Lower Opening Interface	-	2" active connection port	2" active connection port	2" active connection port
Central Pipe	Φ50 mm OD	-	-	-
Base	4"-8UN	-	-	-
Water Production	15-18 T/H	10-15 T/H	15-18 T/H	15-28 T/H
Built-In Power Supply	AC 110 V – 240 V, 50-60 Hz	AC 110 V – 240 V, 50-60 Hz	AC 110 V – 240 V, 50-60 Hz	AC 110 V – 240 V, 50-60 Hz
Inlet Water Temperature	1-60 °C	1-60 °C	1-60 °C	1-60 °C
Operation Pressure	0.1-0.6 MPa	0.1-0.6 MPa	0.1-0.6 MPa	0.1-0.6 MPa

## AUTOMATIC SOFTEN VALVE / Floating Bed Soften Valve



Model	DR20T		DR40		DR40T		DR50	
Name	Floating bed dual mode soften valve		Floating bed dual mode soften valve		Floating bed dual mode soften valve		Floating bed dual mode soften valve	
Display Method	LCD	Touch screen	LCD	Touch screen	LCD	Touch screen	LCD	Touch screen
Installation Method	Top mount, right in and left out		Side mount, left in and right out		Top mount, right in and left out		Side mount, left in and right out	
In & Out	G2" active connection port		DN65/DN80 flange		DN65/DN80 flange		DN80 flange	
Drain	G2" external thread connector		G2" external thread connector		G2" external thread connector		G2.5" external thread connector	
Salt Suction Port	1/2"		1/2"		1/2"		1/2"	
Brine Valve	YF600 (come in with automatic soften valve and must be used)		YF600 (come in with automatic soften valve and must be used)		YF600 (come in with automatic soften valve and must be used)		YF454 (come in with automatic soften valve and must be used)	
Upper & Lower Opening Interface	-		DN65 flange		-		DN80 flange	
Central Pipe	Φ50 mm OD		-		Φ90 mm OD		-	
Base	4"-8UN		-		6" flange connection		-	
Water Production	15-25 T/H		30-45 T/H		30-45 T/H		50-70 T/H	
Built-In Power Supply	AC 110 V - 240 V, 50-60 Hz		AC 110 V - 240 V, 50-60 Hz		AC 110 V - 240 V, 50-60 Hz		AC 110 V - 240 V, 50-60 Hz	
Inlet Water Temperature	1-60 °C		1-60 °C		1-60 °C		1-60 °C	
Operation Pressure	0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa		0.1-0.6 MPa	

Model	YF300	
Salt Suction Port	10 mm	
Applicable Range	All Jieyuan valves with a water production of 6 T/H and below	
Inlet Water Temperature	1-60 °C	
Operation Pressure	0.1-0.6 MPa	

Model	YF600	
Salt Suction Port	1/2" internal thread	
Applicable Range	All Jieyuan valves with a water production of 10-45 T/H	
Inlet Water Temperature	1-60 °C	
Operation Pressure	0.1-0.6 MPa	

## MULTI-VALVE JOINT CONTROL



Name	3P Controller
Model	3PKZQ-2/4/10
Control Method	Time and flowing dual mode control, LCD display
Built-In Power Supply	AC 110 V – 240 V, 50–60 Hz
Inlet Water Temperature	1–49 °C
Operation Pressure	0.1–0.6 MPa



Model	3P2GR	3P2GL	3P4GR	3P4GL
Name	3P soften valve	3P filter valve	3P soften valve	3P filter valve
In & Out	Top mount, left in and right out	Top mount, left in and right out	Top mount, left in and right out	Top mount, left in and right out
In & Out	G3/4" internal thread	G3/4" internal thread	G1" internal thread	G1" internal thread
Drain	G3/4" internal thread	G3/4" internal thread	G1" internal thread	G1" internal thread
Salt Suction Port	3/8"	–	3/8"	–
Central Pipe	1.05" OD	1.05" OD	Φ32 mm OD	Φ32 mm OD
Base	2.5" NPSM	2.5" NPSM	2.5" NPSM	2.5" NPSM
Water Production	0.5–3 T/H	0.5–3 T/H	4–6 T/H	4–6 T/H
Inlet Water Temperature	1–49 °C	1–49 °C	1–49 °C	1–49 °C
Operation Pressure	0.1–0.6 MPa	0.1–0.6 MPa	0.1–0.6 MPa	0.1–0.6 MPa



Model	3P4EGL	3P4EGR	3P10GL	3P10GR
Name	3P filter valve	3P soften valve	3P filter valve	3P soften valve
Installation Method	Top mount, left in and right out	Top mount, left in and right out	Top mount, left in and right out	Top mount, left in and right out
In & Out	G1" internal thread	1" internal thread	1.5" internal thread	1.5" internal thread
Drain	G1" internal thread	1" internal thread	1.5" internal thread	1.5" internal thread
Salt Suction Port	–	3/8"	3/8"	3/8"
Central Pipe	1.05" OD	1.05" OD	Φ50 mm OD	Φ50 mm OD
Base	2.5" NPSM	2.5" NPSM	4" -8UN	4" -8UN
Water Production	4–6 T/H	4–6 T/H	8–15 T/H	8–15 T/H
Inlet Water Temperature	1–49 °C	1–49 °C	1–49 °C	1–49 °C
Operation Pressure	0.1–0.6 MPa	0.1–0.6 MPa	0.1–0.6 MPa	0.1–0.6 MPa

## Y TYPE PIPE FILTER



Model	GLQ-20	GLQ-25	GLQ-40
In & Out	G3/4" external thread	G1" external thread	G1.5" external thread
Drain Plug	G1/2" external thread connector	G1/2" external thread connector	G1/2" external thread connector
Pressure Gauge Port	G1/4" internal thread	G1/4" internal thread	G1/4" internal thread
Screen Material	304	304	304
Filtration Precision	30 mesh	30 mesh	30 mesh
Water Flow Rate	1.5–6 T/H	4–8 T/H	15–35 T/H
Inlet Water Temperature	1–49 °C	1–49 °C	1–49 °C
Operation Pressure	0.1–0.6 MPa	0.1–0.6 MPa	0.1–0.6 MPa



Model	GLQ-50	GLQ-65	GLQ-80
In & Out	G2" external thread	DN65 flange	DN80 flange
Drain Plug	G1/2" external thread connector	G1/2" external thread connector	G1/2" external thread connector
Pressure Gauge Port	G1/4" internal thread	G1/4" internal thread	G1/4" internal thread
Screen Material	304	304	304
Filtration Precision	30 mesh	30 mesh	30 mesh
Water Flow Rate	20–40 T/H	40–65 T/H	50–80 T/H
Inlet Water Temperature	1–49 °C	1–49 °C	1–49 °C
Operation Pressure	0.1–0.6 MPa	0.1–0.6 MPa	0.1–0.6 MPa





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