



- a** 3- way selector valve
- b** Ball Valve
- c** In-line Finger Filter
- d** Plug
- e** Solenoid Pilot Valve
- f** Electric Float Switch

Description

Armaş “FLEL” model electrical float level control valve is the hydraulic control valve designed to control water level continuously by means of electrical float placed in reservoirs and tanks. Electrical float sends signal to solenoid coil on main valve when water level decreases below set level. Main valve is opened and ensures that tank or reservoir will be filled permanently. When water reaches maximum level, electrical float sends signal to solenoid coil again and main valve is closed as full sealed. Valve may be used in the system by mounting horizontal or vertical positions.

Installation

- Install cables of electrical float and solenoid pilot valve in accordance with control device to be used.
- Mount valve in direction of arrow indicated on it.
- While mounting valve on pipeline, place gasket between valve flange and pipe flange to ensure sealing and tighten the bolts as crosswise.
- Mount main valve body on tank or reservoir upstream and mount float components in tank or reservoir as fixed in desired level interval.
- It is recommended that insulation valves (butterfly or gate valves etc.), air relief valve and strainer valves will be used in line-mounting of valve

Typical Application



- 1** Controller
- 2** Electric Float Level Control Valve
- 3** Air Valve
- 4** Isolation Valve (Gate, Butterfly Valve etc.)
- 5** Water Tank

Adjustment

- Mount electrical float switch indicated with "f" as fixed according to water level in tank or reservoir and connect cables to control panel.
- Connect cables of solenoid pilot valve indicated with "e" to control panel conveniently.
- Bring 3-way selector valve on main valve indicated with "a" into "auto" position.
- Open ball valve indicated with "b1".

Maintenance

- Check finger filter indicated with "c" according to water quality and clean it. Do not make cleaning more than one within a few months unless water is too dirty.
- Drain water within actuator and pilot valves of valves not used in winter.

Troubleshooting

Failure	Causes	Correcting/Repair
Valve not opening	<ul style="list-style-type: none"> • 3-Way selector valve may be closed. • Ports of solenoid or 3-way valve may be clogged. • Voltage value of solenoid pilot valve may be wrong. • Solenoid coil may be burnt. • Electrical float switch may be failed. • Line pressure may be low. 	<ul style="list-style-type: none"> • Check 3-Way selector valve and bring it into "Auto" position. • Check ports and clean them if clogged. • Measure voltage value and select cable with diameter suitable for coil • Replace coil. • Replace with the new one. • Check valve upstream pressure and ensure necessary upstream pressure.
Valve not closing	<ul style="list-style-type: none"> • Diaphragm may be punctured. • Foreign substances may exist in diaphragm seat. • Electrical float may be failed. • Finger filter may be clogged. • Control panel may be failed. 	<ul style="list-style-type: none"> • Check diaphragm and replace with the new one if it is punctured. • Check diaphragm seat and remove foreign substances if any. • Check control screw, Bring it into correct position if it is wrong. • Clean if it is clogged. • Replace with the new one.

Order Information

Please submit following information to our sales department while ordering.

Maximum flow rate _____ m³/h
 Maximum network/line pressure _____ bar
 Main line size _____ mm
 Valve connection type _____
 Electric voltage value to be used _____ volt

Sample order form

Model	Connection	Size	Control Feature	Additional Features	Options
67-67D	F: Flanged (ISO-ANSI)	2"-16"	Electrical Float Switch	NV: On/Off Speed Adjustment	Position
66-66D-64	TH: Threaed (BSPT-NPT)	1½"-3"		PG: Pressure Gauge	Indicator
63-63D	VIC: Grooved End	2"-4"		SV-3: 3-Way Selector Valve	
67	FL	6"	FLEL	NV	PIR