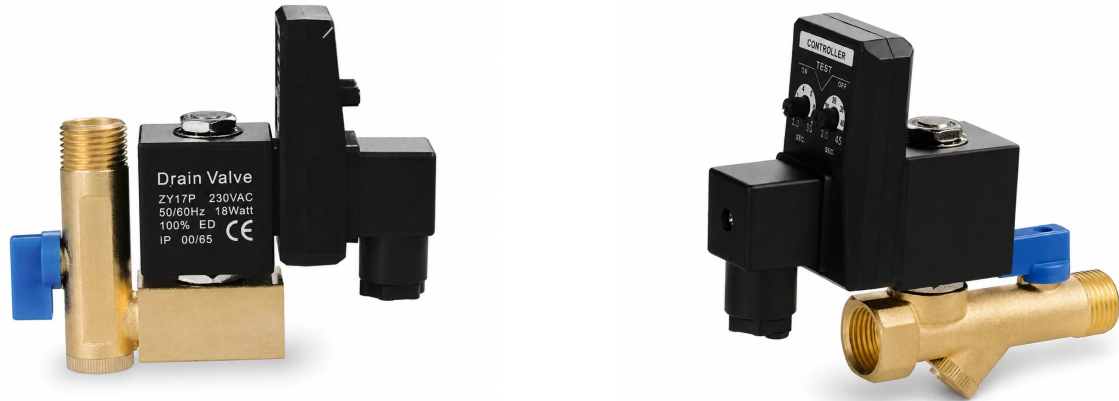


OPT-A/B Series Electronic Drain Valves

Automatic timed condensate discharge for compressed-air systems



Product Overview

The HOMIPNEU OPT-A/B Series electronic drain valves combine a 2/2-way direct-acting valve with an adjustable electronic timer. They are designed to discharge condensate automatically from compressed-air receivers, filters, separators, dryers and related equipment. Adjustable OFF and ON periods allow the drain cycle to be matched to operating conditions, while the manual test button supports commissioning and maintenance checks.

Key Features

- Adjustable interval time from 0.5 to 45 minutes.
- Adjustable discharge time from 0.5 to 10 seconds.
- Manual test micro switch for immediate valve operation checks.
- Wide 24-240 V AC/DC timer supply range with 50/60 Hz AC compatibility.
- IP65 protection when correctly installed.
- OPT-A and OPT-B connection arrangements for different drainage layouts.

Applications

- Air receivers, compressed-air tanks and condensate collection points.
- Air filters, moisture separators and refrigeration dryers.
- Industrial compressor rooms and automated pneumatic systems.
- Applications requiring timed, unattended condensate discharge.

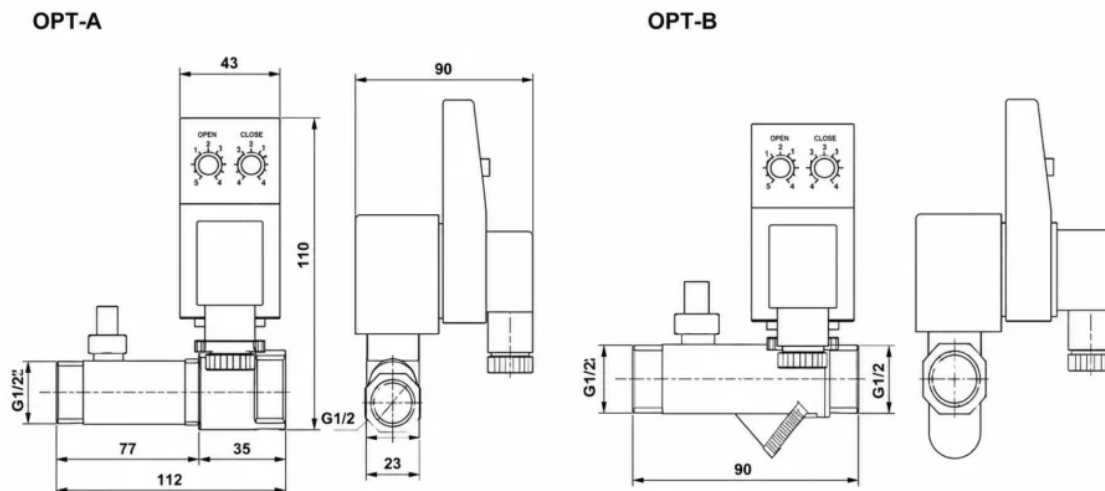
Valve Technical Specifications

Parameter	Specification
Valve Models	OPT-A / OPT-B
Valve Type	2/2-way direct-acting valve
OPT-A Connections	G1/2 inlet and outlet interface
OPT-B Connections	Inlet: G1/2 male thread; Outlet: G1/2 female thread
Maximum Working Pressure	1.0 MPa
Ambient Temperature	2 to 55 deg C
Maximum Medium Temperature	90 deg C
Valve Body Material	Brass / stainless steel
Insulation Class	H
Protection Level	IP65
Valve Voltage Options	DC 24 V / AC 220 V

Electronic Timer Specifications

Parameter	Specification
Timer Models	OPT-A / OPT-B
Interval Time (OFF)	0.5-45 min
Discharge Time (ON)	0.5-10 s
Manual Test Button	Yes, micro switch
Power Supply Voltage	24-240 V AC/DC, 50/60 Hz; AC 380 V by special order
Current Consumption	Maximum 4 mA
Environmental Temperature	-40 to +60 deg C
Protection Level	IP65 when installed correctly
Housing Material	Flame-retardant ABS plastic
Electrical Connection	DIN 43650A
Indicator	LED indication for valve ON/OFF status

Dimension Drawing



Model Selection and Dimensions

Model	Valve Type	Inlet	Outlet	L	H	W	Published Notes
OPT-A	2/2 direct	G1/2	G1/2	112	110	43	77/35; depth 90; body 23
OPT-B	2/2 direct	G1/2 male	G1/2 female	90	-	-	Other values not published

All dimensional values are in millimetres. Only values shown on the current product-page drawing are listed.

Installation and Operating Guidance

- Depressurize the compressed-air system before installing or servicing the drain valve.
- Install the valve in the correct flow direction and use suitable thread sealing practice without obstructing the passage.
- Set the OFF interval and ON discharge time according to the condensate load and system operating conditions.
- Use the manual test button to verify valve operation and discharge flow after installation.
- Keep the drain passage clear and inspect the valve periodically for leakage, blockage or abnormal operation.

Ordering Information

Specify OPT-A or OPT-B, valve body material, operating voltage, required quantity and installation details. AC 380 V timer supply is available by special order. OEM and ODM services are available for packaging and branding, subject to production confirmation.

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