

YX Series Mini Solenoid Valve

Compact 2/2-way and 3/2-way valves for air and compatible fluid-control applications

The HOMIPNEU YX Series includes four compact models: **22-06**, **22-08**, **23-06** and **23-08**. The 22 models provide two-position, two-way on/off control, while the 23 models provide two-position, three-way air control. Available ports include 1/8 inch and 1/4 inch. Standard coil choices cover common DC and AC supply voltages, with NBR or VITON seal options for different operating media.

Typical use: small automation equipment, control panels, test fixtures, dispensing systems, compact machines and OEM assemblies.



Closed-top version

Threaded-top version

COMPACT

Miniature brass-body design for limited installation space.

FUNCTION

2/2-way and 3/2-way configurations for compact switching tasks.

MEDIA

22 Series: air, water, oil and steam*
23 Series: air.

VOLTAGE

DC12V, DC24V, AC24V, AC36V, AC110V, AC220V and AC380V.

*Final suitability for water, oil or steam depends on pressure, temperature, seal material, orifice and chemical compatibility. Confirm all conditions before ordering.

Technical Specifications

Parameter	22-06	22-08	23-06	23-08
Valve function	2 position, 2 way	2 position, 2 way	2 position, 3 way	2 position, 3 way
Working medium	Air, water, oil, steam	Air, water, oil, steam	Air	Air
Joint pipe bore	1/8 in	1/4 in	1/8 in	1/4 in
Flow orifice	1.6 mm	2.4 / 3.2 / 4.0 mm	1.6 mm	Confirm before ordering
Cv value	0.10	0.21 / 0.33 / 0.43	0.10	Confirm before ordering
Working pressure range	0-15*	0-10 / 0-7 / 0-5*	0-9*	Confirm before ordering
Voltage tolerance	±10%	±10%	±10%	±10%
Seal material	NBR or VITON	NBR or VITON	NBR or VITON	NBR or VITON
Standard voltage	DC12V, DC24V, AC24V, AC36V, AC110V, AC220V, AC380V	Same	Same	Same

*The source product page lists numerical pressure ranges without a displayed unit. Confirm the required unit and exact working pressure with HOMIPNEU before placing an order.

Model Code Guide

Code	Meaning	Code	Meaning
22	Two-position, two-way	06	1/8 inch joint pipe bore
23	Two-position, three-way	08	1/4 inch joint pipe bore
DC12V / DC24V	12 VDC / 24 VDC coil	AC24V / AC36V	24 VAC / 36 VAC, 50/60 Hz
AC110V / AC220V	110 VAC / 220 VAC, 50/60 Hz	AC380V	380 VAC, 50/60 Hz

Ordering example: 23-06 AC220V = YX Series, 2-position 3-way function, 1/8 inch port and 220 VAC coil.

Circuit Symbols



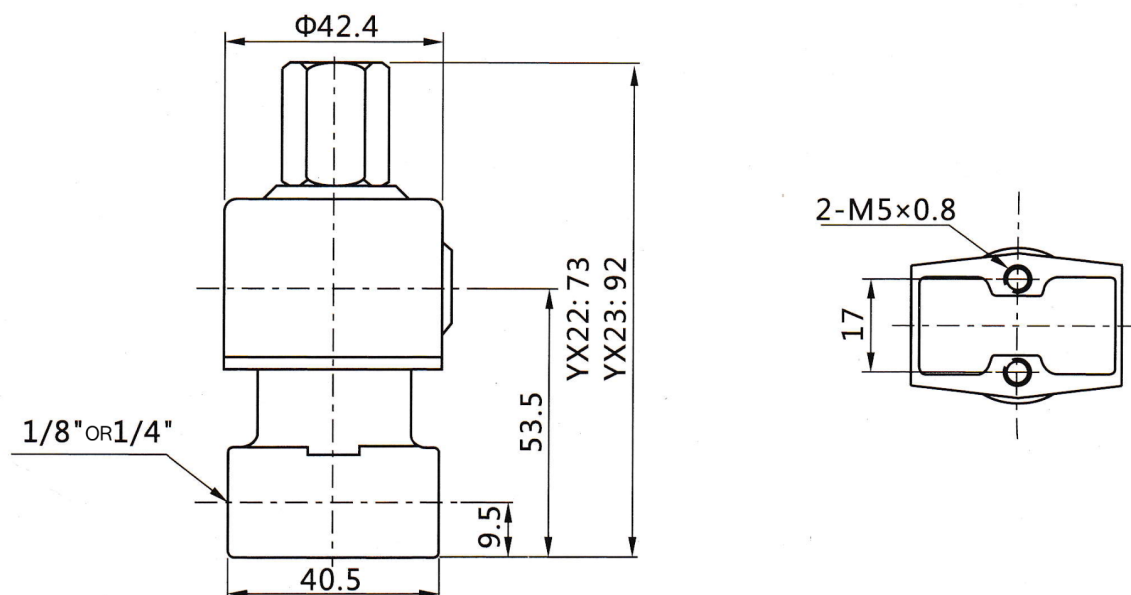
22 Series — 2 Position, 2 Way



23 Series — 2 Position, 3 Way

These circuit symbols are included to support faster identification of the 22 Series on/off configuration and the 23 Series pneumatic 3/2-way configuration.

Overall Dimensions



The dimension drawing above is inserted directly from the supplied dimension image. Main values shown in the figure include $\Phi 42.4$, 40.5, 53.5, 9.5, 17, 2-M5 $\times$ 0.8, and overall height notes YX22: 73 and YX23: 92.

Please confirm the final production drawing, dimensional tolerances, thread standard and any revision-specific details before placing an order or using the valve in a critical assembly.

Functions, Applications and Ordering Notes

22 Series — 2/2-way control

Designed for simple on/off switching. It is intended for air and, after compatibility confirmation, water, oil or steam.

23 Series — 3/2-way air control

Provides one supply port, one outlet port and one exhaust path for compact pneumatic circuits. Typical duties include pilot signaling, small actuators and air switching.

Main features

- Compact installation for crowded panels, laboratory equipment and OEM assemblies.
- Multiple orifice choices on selected models to balance flow and allowable pressure.
- Wide coil-voltage range for DC and AC machine-control systems.
- NBR or VITON seal selection for different media and temperature requirements.
- Brass valve body for durable compact fluid connections.

Typical applications

Compact pneumatic circuits • dispensing and dosing equipment • testing fixtures • cleaning equipment • control panels • laboratory machines • packaging and light automation • replacement and distributor stock

Installation and selection checklist

1. Confirm the valve function: choose 22 for 2/2-way or 23 for 3/2-way pneumatic service.
2. Confirm port and thread: select 06 (1/8 inch) or 08 (1/4 inch), and verify the actual thread standard.
3. Confirm the medium and seal material.
4. Match operating pressure and required flow to the chosen orifice/Cv combination.
5. Use only the coil voltage marked on the product (voltage tolerance: $\pm 10\%$).
6. Flush piping and keep foreign matter out of the valve.
7. Test switching, leakage, temperature rise and fail-safe behavior before production use.

Recommended ordering information

Model • valve function • port size and thread • working medium • operating pressure and unit • orifice/Cv • coil voltage and frequency • seal material • ambient/fluid temperature • quantity • packaging or private-label requirements

OEM & ODM support

HOMIPNEU supports model confirmation, bulk supply, export packaging, private labels and customized sourcing for mini solenoid valves and related pneumatic-control components.

Important safety notice

This datasheet is a product-selection aid, not a substitute for machine risk assessment or an approved installation manual. Isolate electrical and fluid power before installation or service. Do not exceed verified pressure, temperature, voltage or media limits. For steam, hot fluids, hazardous media, vacuum, oxygen, fuel gas or safety-critical systems, obtain written application approval before use.

Source note: Core specifications are based on the HOMIPNEU YX Series product page. Related public listings for similar 22-08 and 23-08 mini solenoid valves were consulted only to cross-check general classification; exact performance must be confirmed against the supplied HOMIPNEU model.

Contact Information

Wenzhou Hongmi Pneumatic Co., Ltd.

Address: Room 501, Xingnan Village, Hongqiao Town, Yueqing City, Zhejiang, China

Email: vivilian@homipneu.com | Phone / WhatsApp: +86 136 0580 6063

Website: <https://homipneu.com>