

BALANCING VALVE



AIP-10Q/16Q/25Q

Profile

AIP-series static balancing valve is static hydro-working valve, having good flow characteristics, enabling proper flow allotment, and making quantitative flow, therefore effectively dealing with the indoor temperature about unevenly heating and cooling problem existing in heat supply (air-conditioning) system. As the static balancing valve having equipped with indicator, open locking device, and small pressure valve for flow measuring, it is only installed proper specifications of static balancing valves in each branch and users' pipeline entries. Upon locking after once-for-all adjustment with special instrument, the total amount of water in the system could be controlled within a proper range so as to overcome the improper phenomenon of "large flow but small difference in temperature" The static balancing valve becomes an ideal product used in heating system with highest medium temperature up to 100C.

The balancing valve's working ways include hydraulic automatic control and manual control but without extra conditions. The working temperature is normal one, with EN 1.6MPa or 2.5MPa, and the circumstance shall be clean and good.

Application: It is widely used in pipelines of central air conditioning system, water supply and drainage, fire protection, petroleum, and chemical and engineering, as well as industry and mining enterprises, etc., especially used in pump house of the central air-conditioning system

Technology Features

- Y type straight structure, low flow resistance, enlarging flow capacity.
- Equipped with Internal lift stem without leaving operation room in advance
- Digital display hand wheel makes operation easy, swift and reliable.
- Multiple sealing structure applied to stem
- Balancing cylinder structure makes operation smooth, labor-saving, and swift.
- Anti-cavitation shield added, affectively protect valve from cavitation impact, and reducing noise and vibration.
- Hygienic and corrosion resistant, stem, limit rod, gland nut, and regulating screw are made of stainless steel or copper.
- The whole valve complies with sanitary standard, applying to potable water piping, hygienic, safe and reliable. Locking set provides after adjusted balancing valve with reliable and safe lock.

Complied Standards

Product design and production is in accordance with GB/T28636.

Flange connection complies with BS4504, DIN 1092 and GB/T 17241.6

Face-to-face dimension complies with EN 558-1. GB/T12221

Inspection and acceptance comply with GB/T 28636, GB/T13927.

Nominal Pressure (MPa)		1.6	2.5
Pressure Test	Shell test (MPa)	2.4	3.75
	Sealing Test (MPa)	1.76	2.75
Working Pressure (MPa)		1.76	2.75
Working Temperature		-20~130°C	
Suitable Media		Water, Ethylene glycol, Steam	
Flow error range		±5%(50%~100% Opening)	