

KEYVALVE

KEYVALVE Co., Ltd.

**Pneumatic
Control Valve**



Pneumatic Control Valve with intergraded design

Product Description

KT-18 series is pneumatic control valve, the design is composited by a set of pneumatic actuator and globe valve. The valve is opened or closed by an actuator with compressed air. The media's pressure, temperature or flow capacity are major measurement results by the valve acting the plug opening or closing. The design is reliable with high precision tolerance in between components. It is excellent quality for long service life.

Application

The product is used for the media of water, steam, hot oil and etc. It is applied on various industries as oil & chemical, fibric plastic, dying process, food & beverages, pulp & paper, medicine etc.

KT-18



Design and Acceptance Standard

Item	Design Standard	Flange Standard	Structure Dimension	Hydrostatic Test
According to	ASME B16.34	GB/T 9113 DIN2533	GB/T 12221	GB/T 13927 API 598

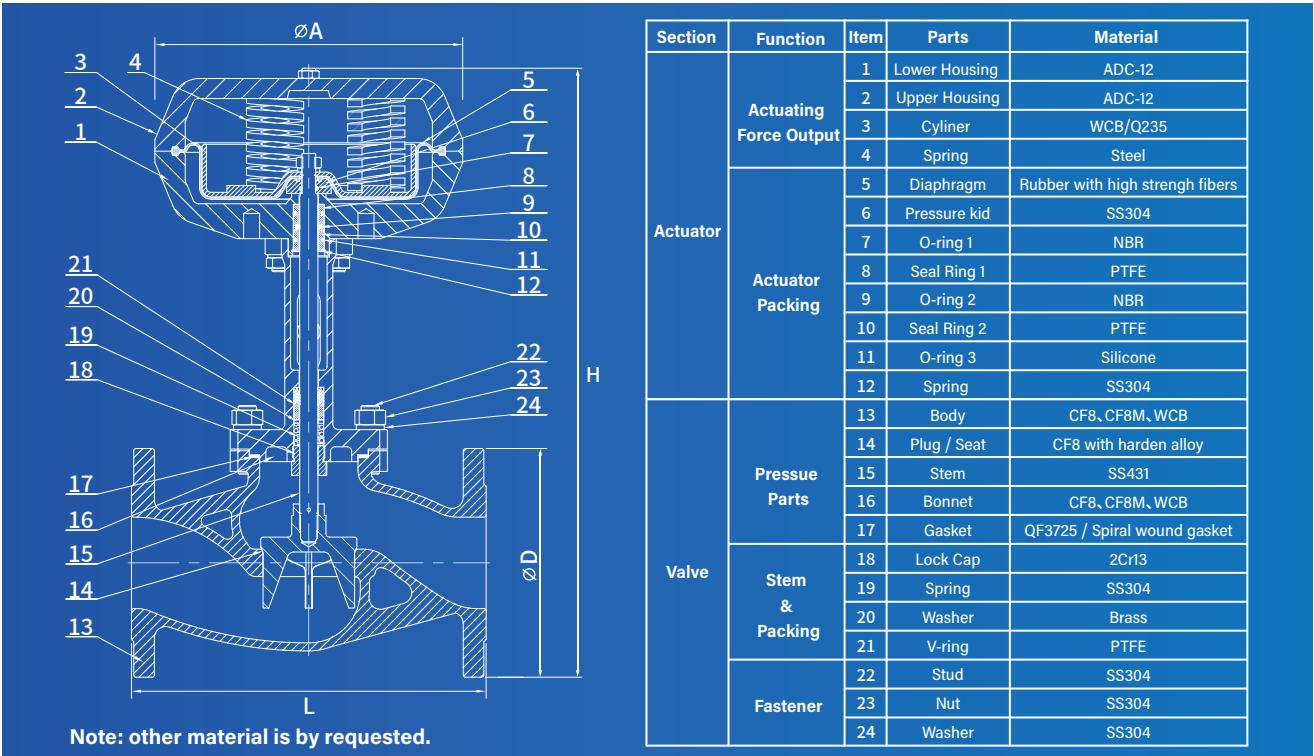
Main Feature

- 01 Structure**
 The structure is an intergraded design, the actuator and valve are connected to a signal piece. Reduces tolerance and improves installation positions and seals performance.
- 02 Body**
 The body is modified with high flowrate design, large passage provides high volume and reduce flow resistance.
- 03 Plug**
 The parabolic plug and v-port plug are available, these are able to fulfill different working conditions and flow control requirements.
- 04 Metal to Metal Seat**
 The seat surface is welded by harden alloy. The seat surface resists corrosion or cavitation damage. The leakage performance is reached ANSI FCI 70-2 standard class VI. It is reliable for long service life.
- 05 Stem**
 The material is SS431 or SS316 with nitriding and grinding treatment, great mechanical properties with high strength, harden surface for long service life.
- 06 Packing**
 The packing is PTFE v-rings with spring loading. Excellent performance with long service life.

Product Range

Series	KT - 18
Nominal Size	DN15 ~ DN150
Nominal Pressure	PN10 ~ PN16
Body Material	CF8、CF8M、WCB

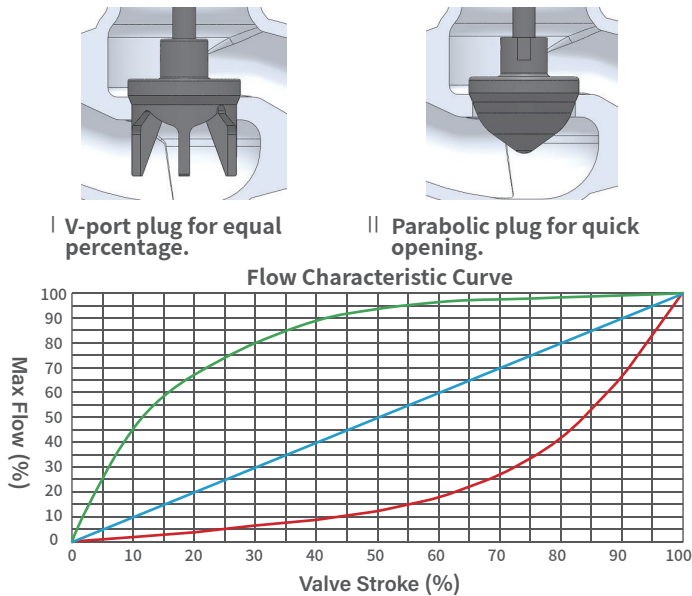
■ Structure and Technical Data



■ Dimension and Technical Data

Nominal Size		DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150
Dimension	L (mm)	130	150	160	180	200	230	290	310	350	400	480
	H (mm)	368	382	398	412	428	441	509	533	657	885	1065
	A (mm)	215	215	215	215	215	215	269	269	315	315	425
Stroke	(mm)	20	20	20	20	20	20	25	25	30	35	40
Weight	(Kg)	10.5	12.5	14.5	16	18	22	27	35	48	65	89
Flow Rate Cv value	V-port plug	2.5	5	7.5	16.5	30	50	90	110	168	231	336
	Parabolic plug	2.8	5.5	7.8	17	31	53	95	116	176	238	348

■ Plug Design and Flow Characteristic



■ Option Item

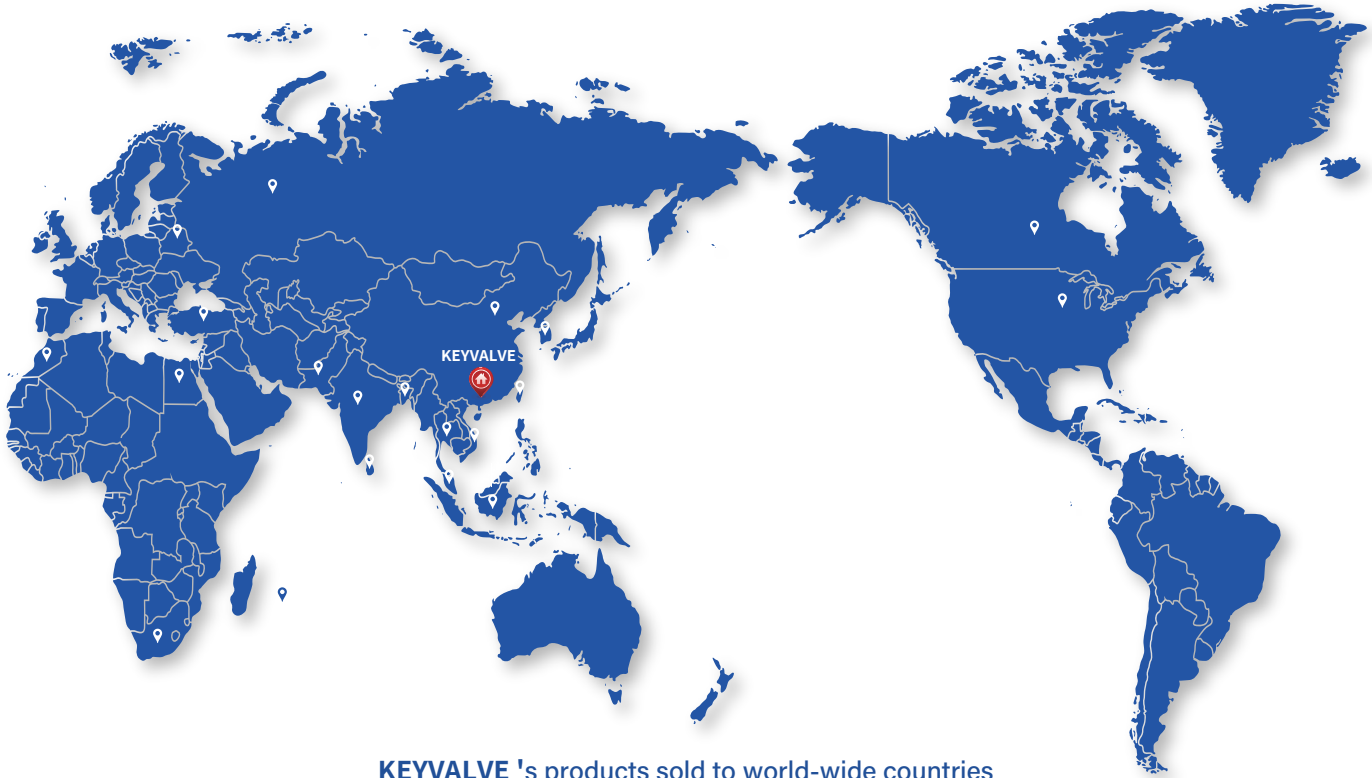


(Other option or special requirement by customer's request.)

KEYVALVE is a company specializing in research and development for steam and fluid control technology. Adhering to our advance knowledge and rich experiences, we provide technical advice and solutions for stem, liquid media and fluid control applications.

KEYVALVE technical team has more than 30 years of experience in design and manufacturing of steam and fluid control products. Our products are TÜV approved for PED 2014/68/EU Module H and ISO 9001. We strictly adhere to quality control in every production environment, ensuring product quality and performance reliability. Our vision is "Customers Value Added" and the core value is "Quality First". "Excellent Service", "Customer-Oriented Approach" and "Continuous Development".

KEYVALVE's products have been sold to 20 countries. Customers are world-renowned companies in various industries including chemical, oil & gas, refining, power, food & pharmaceutical, paper, battery, textile and others.



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