

Hi-TEK SERIES

Globe Control Valves
Size Range 1/2" - 8"
Pressure Classes
150, 300, 600, 900, 1500

*Engineered
valves where
precise control
is required.*

THE PROCESS CONTROL

Hi-Tek a division of Flo-Tite

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DN15 ÷ DN100 PN 16



VL100

Single seated control valves are equipped of two-way bodies with in-line straight connections. The VL100 valves have been designed to assure an accurate control in any process condition,. Their wide application range allows the VL100 to be used with the most common process fluids such as water, superheated water, steam, air gas and other fluids.

Body: Spheroidal graphite cast iron
EN-GJS-400-18 (EN-JS1025)
Trim: ASTM A182 F316
Plug: EQP Soft Seal full port
Yoke: pillar type

DN15 ÷ DN200 PN 16



VD100

Ductile Iron globe valve style body construction with a wide range of different single stage trims available. VD100 series combines the advanced modular design and the wide range of actuators to satisfy the needs of the industrial market.

VD100 valves are designed to control a broad variety of fluids, like steam, water, most mediums and gases. The top guided construction which assures a stable plug travel over the entire stroke of the valve, minimizing vibration and wear.

Body: Spheroidal graphite cast iron
EN-GJS-400-18 (EN-JS1025)
Trim: ASTM A182 F316
Plug: Top guide EQP - Linear - Quick Opening
Soft seal, Metal tightness, Stellite face
full port, microflow port, anticavitation, ans more.
Yoke: Integral type

CAGE VALVES DIN DN-25DN300 PN 16/100 ASME 1"-24" 125 lbs./2500 lbs.

KA900 SERIES

Cage and Skirt guided Control Valves are single seated with numerous options such as Pressure balanced, Hardened, Noise reducing or Anti-cavitation trim.

Designed for Pharmaceutical, Chemical, Petrochemical, Oil & Gas, Power and Municipal distribution services.

STRAIGHT design: 2" - 24", to ANSI 2500

ANGLE design: 2" - 12", to ANSI 2500

3-Way design: 1" - 12", to ANSI 2500

1/2" ÷ 8" ANSI 150/300

1/2" ÷ 8" ANSI 600

*Available
in DIN***KA100**

Top entry globe valve style body construction has a wide range of different single stage trims available. KA100 Series combines the advanced modular design with a wide range of actuators to satisfy the industrial demand requirements.

This series is designed to control a broad variety of fluids, like steam, water, most mediums and gases. One of the main features of this series is the top guided construction which assures a stable plug travel over the entire stroke of the valve, minimizing vibration and wear.

Body: Carbon steel ASTM A216 WCC

Stainless steel ASTM A351 CF8M

(other on request)

Trim: ASTM A182 F316 (other on request)

Plug: Top guide EQP - Linear - Quick Opening

Soft seal, Metal tightness, Stellite face

full port, microflow, anticavitation and more.

Yoke: Integral type ASTM A216 WCB

*Available
in DIN***KA200**

Globe control valve designed to ensure a perfect control of industrial fluid systems with operating pressures up to 105 bar.

Designed according to ANSI standard, KA200 is available in carbon steel (WCC), Stainless Steel (CF8M) and special alloys materials on request (Duplex, Monel, Hastelloy, etc...)

KA200 offers several configurations: reduced bores, anti-noise and anti-cavitation trim to meet all the control needs.

Body: Carbon steel ASTM A216 WCC

Stainless steel ASTM A351 CF8M

(other on request)

Trim: ASTM A182 F316 (other on request)

Plug: Top guide EQP - Linear - Quick Opening

Soft seal, Metal tightness, Stellite face

full port, microflow, anticavitation and more.

Yoke: Integral type ASTM A216 WCB

1/2" TO 2" ANSI 900/1500

Top Guided**KA300**

Globe control valve guided balanced plug is designed to withstand the most severe process conditions with operating pressures up to 258 bar.

Designed according to ANSI standards KA300 is available in carbon steel (WCC), Stainless Steel (CF8M) and special alloy materials on request (Duplex, Monel, Hastelloy, etc...)

KA300 offers several configurations: reduced bore, anti-noise and anti-cavitation trim to meet all the control needs.

Body: Carbon steel ASTM A216 WCC

Stainless steel ASTM A351 CF8M

(other on request)

Trim: ASTM A182 F316 (other on request)

Plug: Top guide EQP - Linear - Quick Opening

Soft seal, Metal tightness, Stellite face

full port, microflow, anticavitation and more.

Yoke: Integral type ASTM A216 WCB

DN15 ÷ DN200 PN 16/40



*Available
in ANSI*

TM100 MIXING VALVE

The TM100 Series is a three-way globe-style control valve for applications requiring mixing flow in a process control system. The open flow paths and simple construction provide a reliable and easy-to-maintain valve solution. TM100 Series could be manufactured with pneumatic or electric actuators to meet all specific requirements of fluid control (water, steam, thermal oil, gas and other liquids) whether compatible with the material used.

Body: Spheroidal graphite cast iron EN-GJS-400-18 (EN-JS 1025)
Carbon steel A216 WCC Stainless steel A351 CF8M
(other on request)
Trim: ASTM A182 F316 (other on request)

SANITARY SERIES

The Sanitary Series are control valves for food processing, chemical and cosmetic industry. The valve body is made of stainless steel and special care is taken to avoid dead spots.



DN15 ÷ DN200 PN 16/40



*Available
in ANSI*

TD100 DIVERTING VALVE

The TD100 Series is a three-way globe-style control valve for applications requiring diverting flow in a process control system. The open flow paths and simple construction provide a reliable and easy-to-maintain valve solution. The TD100 Series could be manufactured with pneumatic or electric actuators to meet all specific requirements of fluid control (water, steam, thermal oil, gas and other liquids) whether compatible with the material used.

Body: Spheroidal graphite cast iron EN-GJS-400-18 (EN-JS 1025)
Carbon steel A216 WCC Stainless steel A351 CF8M
(other on request)
Trim: ASTM A182 F316 (other on request)

PRESSURE REDUCING SERIES

The pressure reducing series is self actuated with a single seat, with a bellows balancing system in stainless steel, for steam and no dangerous gas applications.



*Available
in ANSI*

PC150

I/P converter designed for installation onsite or in the field. It converts the DC input signal to a pneumatic output signal (3÷15, 2÷18, 2÷20, 4÷30 psi).



RP010 - RE010

Positioners RP010 and RE010 require on input signal of 3÷15 psi / 4÷20 mA for proportional control of linear actuators. The Positioner compares the output signal from a controller with the position feedback, and varies a pneumatic output signal to the actuator accordingly. The actuator position is guaranteed for any controller output signal and the effects of varying differential pressure.

RP010 - Pneumatic
RE010 - Electro/Pneumatic



PTL70L

Fully aluminum Limit switches box construction designed for safe and hazardous areas. PTL70L is available with different configurations i.e. SPDT Elect. Mech., Proximity, Pneumatic Contacts, 4-20 Feedback.



FR100 / FR100X / FR200

Aluminum, Zamak or Stainless Steel Filter Regulator for corrosive environments and are suitable for use in potentially explosive atmospheres caused by gases, vapors, mists and / or dust.



YT-33000

YT-33000 intrinsically is a safe type of smart valve positioner accurately controlling the valve stroke, according to the input signal of 4-20mA, which is being input from the controller.

In addition a built-in micro-processing operator optimizes the positioner's performance and proved unique functions such as Auto calibration, PID control, Alarm, and Hart protocol.

YT33000 - Linear



YT-34000

YT-34000 is a flameproof type of smart valve positioner accurately controlling the valve stroke, according to input signal of 4-20mA, which is being input from the controller.

In addition, a built-in micro-processing operator optimizes the positioner's performance and provides unique functions such as Auto calibration, PID control, Alarm, and Hart protocol.

YT34000 - Linear



YT-25000

YT-25000 Fail Freeze / Fail Safe type of smart valve positioner accurately controls the valve stroke, according to input signal of 4-20mA, which is being input from the controller.

In addition a built-in micro-processing operator optimizes the positioner's performance and provides unique functions such as Auto calibration, PID control, Alarm, and Hart protocol. YT25000 - Linear

NEED IMAGE



KD100

Top entry globe valve style body construction with a wide range of different single stage trims available. KD 10 series combine the advanced modular design with the wide range of actuators to satisfy the needs of the industrial applications.

This series is designed to control a broad variety of fluids like steam, water, most of the medium and gases, One of the main features of this series is the top guided construction which assure a stable plug travel over entire stroke of the valve minimizing vibration and wear.

Body: Carbon steel 1.0619 GP240GH

Stainless steel 1.4408 C5CrNiMo

(other on request)

Trim: ASTM A182 F316 (other on request)

Plug: Top guide EQP - Linear - Quick Opening

Soft seal, Metal tightness, Stellite face

full port, microflow, anticavitation and more.

Yoke: Integral type ASTM A216 WCB

V BALLS AVAILABLE

Characterized V Ball custom design to meet your special flow needs.



UNI EN ISO 9001



PED DIRECTIVE 2014/68/EU



ATEC Gas / Dust DIRECTIVE 2014/34/UE



TR CU 032/2013 Pressure equipment



ISO 158848-1 - Fugitive Emissions Standard



Safety Integrity Level - IEC EN 61508-TUV



KD100/KA100 Stainless Steel



FEATURES		VL100	VD100	KD100	KA100	KA200	KA300	TD100	TM100
B O D Y	Operation	2-way	2-way	2-way	2-way	2-way	2-way	3-way diverting	3-way diverting
	Standard	European EN	European EN	European EN	American ANSI	American ANSI	American ANSI	European EN ANSI	European EN ANSI
	Pressure Rating	PN16	PN16	PN16 PN40	ANSI 150 ANSI 300	ANSI 600	ANSI 900 ANSI 1500	PN16 PN40 ANSI 150-300	PN16 PN40 ANSI 150-300
	Size	from DN15 to DN100	from DN15 to DN200	from DN15 to DN200	from 1/2" to 8"	from 1/2" to 8"	from 1/2" to 2"	DN15-DN200 1/2" - 8"	DN15-DN200 1/2" - 8"
	Face to face dimension	All valves with Face-to-face dimensions per EN558-1 or ISA 75.08							
	Raised Face connection	●	●	●	●	●	●	●	●
	Weld end, ring joint, flat face connection etc...	—	○	○	○	○	○	○	○
	Ductile Iron Body (EN GJS 400 18 RT)	●	●	●	—	—	—	●	●
	Carbon Steel Body (A216 WCC)	—	—	●	●	●	●	●	●
	Stainless Steel Body (A351 CF8M)	—	—	●	●	●	●	●	●
B O N N E T	Special material body (Monel, Duplex,.)	—	—	○	○	○	○	○	○
	Temp. 23° to +392°F	●	●	●	●	●	●	●	●
	Temp. > 392°F	—	—	○	○	○	○	○	○
	Temp. < - 23°F	—	—	○	○	○	○	○	○
T R I M	Trim in A182 F316	●	●	●	●	●	●	●	●
	Trim in special materials (Monel, Duplex, etc..)	—	—	○	○	○	○	○	○
	Top Guide Plug	—	●	●	●	●	●	●	●
	Shut-off Capabilities Tightness Class VI	●	○	○	○	○	○	○	○
	Shut-off Capabilities Tightness Class IV	—	●	●	●	●	●	●	●
	Stellite Faced Seat	—	○	○	○	○	○	—	—
	QPC Faced Seat	—	○	○	○	○	○	○	○
	Full port Trim	●	●	●	●	●	●	●	●
	Reduced Port Trim	—	○	○	○	○	○	○	○
	Microflow Port Trim	—	○	○	○	○	○	○	○
	EQP Plug	●	●	●	●	●	●	—	—
	Linear Plug	—	○	○	○	○	○	●	●
	Quick Opening Plug	—	○	○	○	○	○	—	—
	Low dB trim	—	○	○	○	○	○	○	○
	Anticavitation Cage	—	○	○	○	○	○	—	—
P A R K I N G	HT200 for temp < 392°F from DN15 to DN100 from 1/2" to 4"	●	●	●	●	●	●	●	●
	HT400 for temp < 392°F from DN125 to DN200 from 6" to 8"	—	○	○	○	○	○	○	○
	HT300 for temp < 752°F from DN15 to DN100 from 1/2" to 4"	—	○	○	○	○	○	○	○
	HT600 for temp < 752°F from DN125 to DN200 from 6" to 8"	—	○	○	○	○	○	○	○
	Green Pack (Ta-Luft)	—	○	○	○	○	○	○	○
	ZEB20 Bellows seal for dangerous fluid	—	○	○	○	○	○	○	○
A C T U A T O R S	Pneumatic actuator Pillar yoke	●	○	○	○	○	○	○	○
	Pneumatic actuator Integral yoke	—	●	●	●	●	●	●	●
	Pneumatic actuator St. Steel made	—	○	○	○	○	○	○	○
	Electric actuator	○	○	○	○	○	○	○	○
	Handwheel	○	○	○	○	○	○	○	○
C O A T I N G	Coating for temp. from -20° to 302° F	●	●	●	●	●	●	●	●
	Coating for temp. from 302° to 482° F	—	○	○	○	○	○	○	○
	Coating for temp. from 482° to 752°F	—	○	○	○	○	○	○	○
	Coating for off-shore environment	—	○	○	○	○	○	○	○
	Customized Coating	—	○	○	○	○	○	○	○

● standard

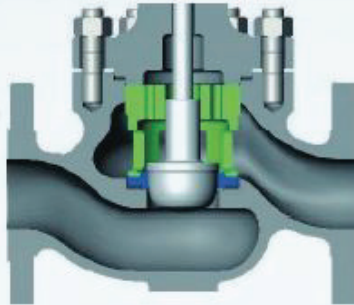
○ on request

— not available

HI-TEK Sentinel Series

Engineered Valves for Severe Service
Applications where Precise Control is Critical.

- Globe Control Valves to 12"/ANSI 1500
Cage Guided and Balanced Types
Noise Control Trims
- Segmented/V-Ball to 24"/ANSI 600



HI-TEK SuperAlloys

For EXTREME CORROSION where
process media degrades ordinary metals

Titanium • Nickel Alloys • Chromium
Zirconium • Copper • Iron SuperAlloys

- Floating and Trunnion Ball Valves -
Metal/ Elastomer seated to 48"/ANSI 2500
- Gate/Globe/Check up to 60"/ANSI 2500
- Double and Triple offset Butterfly to 100"/ANSI 600



HI-TEK Chem-Flo Series

- Lined Ball Valves to 6" in DI and SS bodies
- Ball Check to 4" in DI and SS bodies
- Fully Lined Wafer and Lug Butterflies in DI
and SS bodies to 24"



HI-TEK SuperAlloys & Ceramic Valves Available



Zirconium
Gate Valve



Titanium Knife
Gate Valve



Inconel
Butterfly Valve



Nickel Alloy
Gate Valve



Hastelloy
Ball Valve



Ceramic
Ball Valve



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