Trivision Technologies

Path Selecting Valve

Path Selecting Valve

- Emission Control for DUPS
- Emission Control for Gensets
- High Pressure Fire Boiler
- High Temperature Incinerator
- Regenerative Thermal Oxidizer
- VOC Rotor Concentrator
- Garbage Incinerator

The 『Path Selecting Valve』 is made by special forge high temperature resisted alloy, and is mainly used in the flow control of large volume of highly corrosive flue gas at high temperature (up to 800-1,000℃) and high pressure. The connection of 『Path Selecting Valve』 can be designed to DIN；ANSI；JIS standards or special dimension upon request for simple and easy valve installation to the process lines.

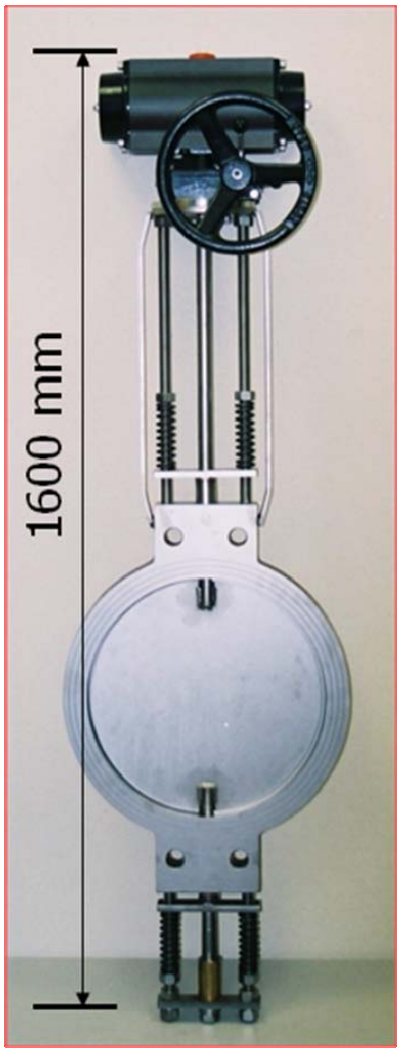
The design of 『Grand packing self adjustment device』 located at the top and bottom of the 『Path Selecting Valve』 is to ensure excellent valve sealing performance from leakage of flue gas, especially for the application of high temperature and vibrating working environment. The valve also has 『Disc self re-alignment』 design, that will allow all parts of valve to be smoothly operated without any jam caused by thermal expansion of parts espacially when the valve is working above high temperature of 800℃.

Specification of Path Selecting Valve :

- Type of valve: Wafer type.
- Design of disc: Centric disc.
- Flange: DIN PN10/16; ANSI 150/300Ibs; JIS 5/10 kg/cm^2 or special order.
- Range of temp.: -100℃ to 1,000℃.
- Range of size: 1½" to 60".
- Special design: Disc self re-alignment.
- Material of body: High temp. resisted forge alloy.
- Shaft: Double shaft design to connect disc.
- Packing: 『Packing self adjustment device』 is located at top and bottom of valve.
- Heat isolation: Extended shaft design to allow manual valve operation at temperature around 800-1,000℃.

Features:

- Special design for the flow control of large volume of highly corrosive flue gas at high temperature (up to 800-1,000℃) and high pressure.
- Valve connection is designed to DIN；ANSI；JIS standards or upon special order.
- Unique anti vibrating valve design is used for the exhaust flow control of Gensets or Dynamic UPS driven by diesel engine.
- Low pressure drop design of disc and shaft.
- Extended valve shaft design for heat isolation to allow manual valve operation at temperature around 800-1,000℃.
- Suggested valve opening to be set between 10^{o} and 65^{o} for flow control.
- Suggested valve opening to be set at 90^{o} for on/off control.
- Disc design: Swing or ledge.
- Valve can be operated manually and automatically, and will forced to open when power or air supply is not available.
- Leakage of disc swing ＜ 3-4 %.
- Leakage of disc ledge ＜ 1 %.



Accessories of valve control:

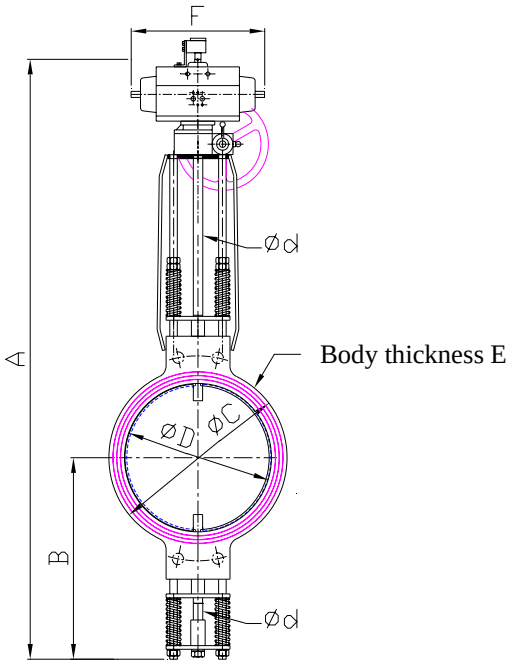
- Hand wheel (with position indicator)※
- Gear Box
- Pneumatic actuator (Double spring acting)※
- Electrical actuator※
- Solenoid valve; limit switch (Explosion Proof) ※
- Valve positioner (3-15 psig, 4-20 mA, 0-1 V)
- Flow control components※

※ **Option**

Application:

- Emission Control for DUPS
- Emission Control for Gensets
- High Pressure Fire Boiler
- High Temperature Industrial Incinerator
- Garbage Incinerator
- Regenerative Thermal Oxidizer
- VOC Rotor Concentrator

Dimension:



英吋	mm	A	B	ϕC	ϕD	E	F	ϕd
2½	65	679	431	115	63	32	195	12
3	80	685	437	130	75	32	195	12
4	100	798	492	166	100	40	195	20
5	125	997	340	185	125	45	250	20
6	150	1033	364	210	150	45	250	20
8	200	1443	488	265	200	45	250	20
10	250	1443	488	324	250	55	250	20
12	300	1443	488	370	300	55	355	20
14	350	1517	500	434	342	55	355	25
16	400	1581	531	474	391	55	355	25

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