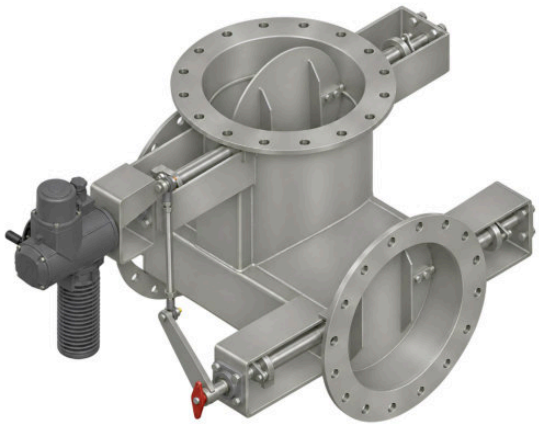
DI

THREE-WAY DIVERTER

TEE DAMPER

The DI directs gas from one inlet to two outlets. The two discs are mechanically linked and rotate on their own shafts. When one opens, the other closes.



| APPLICATIONS

Air and industrial gas ducts · Cogeneration · Thermal and electric power plants · Chemical and petrochemical plants · Steel industry

| SIZES

DN300–DN1200. Other sizes on request.

| INSTALLATION

Between flanges, with the operating shafts horizontal. Other positions on request.

| STANDARD SERVICE CONDITIONS

PRESSURE	TEMPERATURE	MAXIMUM GAS VELOCITY
Operating 100 mbar **Maximum 0.5 bar**	**Ambient to 600 °C**	**30 m/s**

VAYCOM standard design. Materials S275JR / AISI 304L / AISI 316L, selected to suit service conditions. Other standards, materials, pressures and temperatures on request.

| CLOSURE DESIGNS

Configuration	Shut-off tightness	Application
Free disc	**90–97 %**	Dust-laden gases: concentration below 1000 mg/Nm³.
Metal-to-metal with square bar	**Up to 99%**	Applications requiring greater shut-off tightness.

| CONSTRUCTION AND OPERATORS

Fabricated body and flat discs with reinforcing ribs. External bearings are separated from the packing to reduce exposure to heat and corrosion and simplify maintenance.

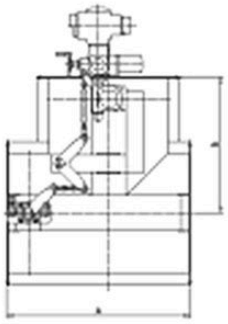
Electric, quarter-turn or linear pneumatic, hydraulic or manual actuation. Designed for 200 mm of external thermal insulation, with access to the bearings and packing.

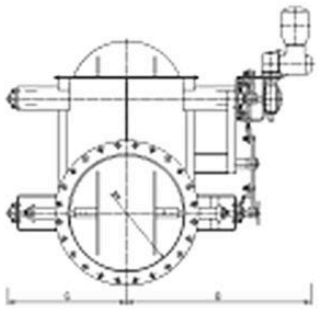
Accessories · Limit switches, solenoid valves and junction boxes.

DI

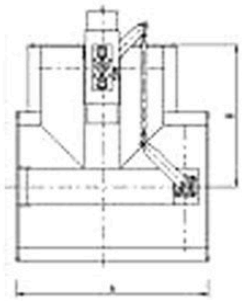
DIMENSIONS AND ACTUATORS

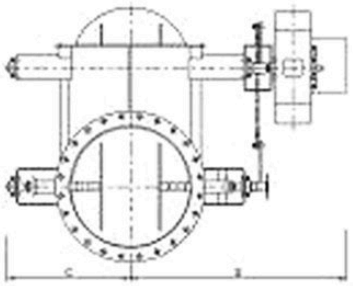
Approximate dimensions in mm for electric and pneumatic actuators. Standard range DN300–DN1200. Other sizes and configurations on request.



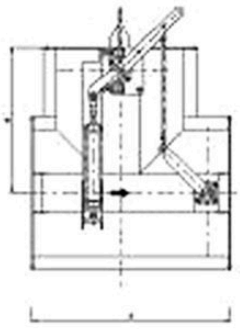


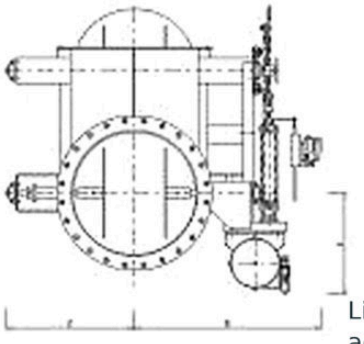
Electric actuator





Quarter-turn pneumatic actuator





Linear pneumatic actuator

DN	A	B	C	Electric D	Pneumatic ¼ turn D	Linear pneumatic D
200 *	475	325	500	900	1000	805
250 *	500	325	530	935	1040	830
300	600	375	555	960	1060	855
350	625	425	580	1000	1090	885
400	750	500	605	1030	1120	915
450	775	550	630	1050	1160	935
500	800	600	655	1070	1080	960
600	950	700	705	1090	1190	1010
700	1100	810	755	1155	1255	1070
800	1200	910	805	1210	1320	1105
900	1300	1010	855	1260	1370	1160
1000	1450	1130	905	1310	1420	1250
1200	1650	1330	1005	1405	1515	1325
1400*	1950	1575	1060	1480	1570	1350
1600*	2175	1775	1210	1630	1750	1540
1800*	2375	1975	1450	1900	2000	1770
2000*	2575	2175	1650	2050	2140	1960

Approximate dimensions. Actuator dimensions depend on the equipment and supplied configuration.
* Sizes on request.