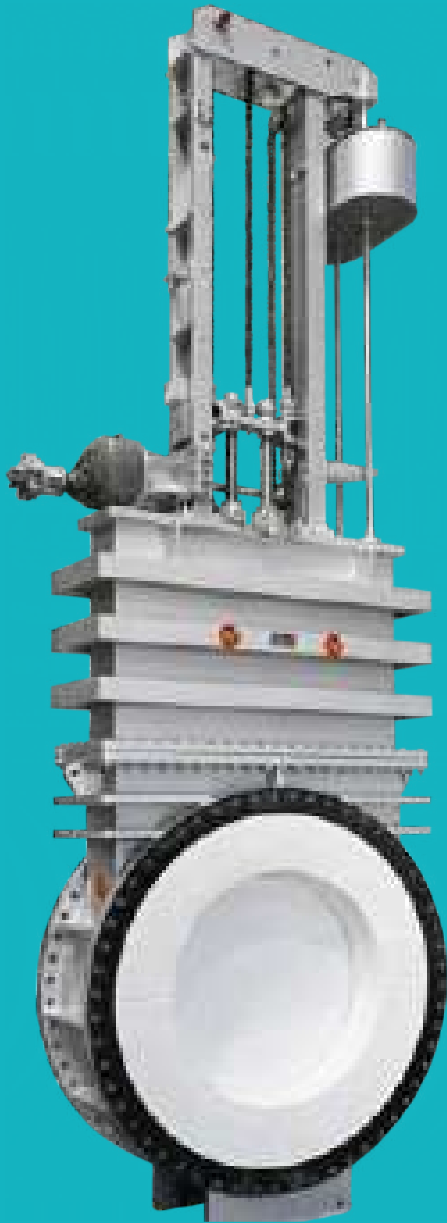




JoshiJampala Engineering GmbH
Technological Excellence Through Innovation



SPECIAL PURPOSE LARGE SIZE FABRICATED VALVES

www.joshijampala.com



JoshiJampala Engineering Pvt. Ltd. (JJEPL) is a renowned name in the field of special purpose industrial valves and dampers. Established in 1998 by Mr. Bhalchandra Joshi and Mr. Sreedhar Jampala, two passionate technocrats with a combined experience of over 58 years, JJEPL is a name synonymous with quality and innovation.

At JJEPL, we adopt a "first-principles" approach to product development, leveraging our state-of-the-art design facility and a dedicated team of design and engineering experts. We are committed to providing our customers with solutions that deliver exceptional performance, reliability, and durability. We strive to understand our customer's unique needs and work closely with them to deliver tailored solutions that meet their highest standards.

Our team of skilled professionals is dedicated to ensuring that every product that leaves our facility adheres to the highest standards of quality and craftsmanship. We continuously invest in research and development to stay at the forefront of technological advancements, allowing us to offer innovative solutions that address the evolving needs of our customers.

With over 25 years of experience, JJEPL has established itself as a trusted designer and manufacturer of high-quality valves for critical service applications in the iron & steel, power, and oil & gas industries. Under the visionary leadership of Mr. Bhalchandra Joshi and Mr. Sreedhar Jampala, JoshiJampala Engineering has emerged as the preferred supplier of critical valve products for customers worldwide.





APPLICATION :

The hot blast valve is energy - saving design for the isolation of stoves from the hot blast main in the blast furnace complex. It can also be used for the isolation of hot gases in other industries.

TECHNICAL DESCRIPTION :

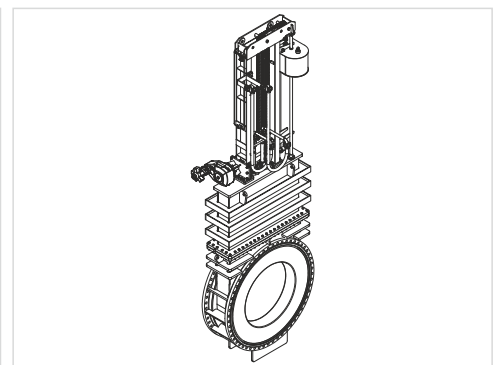
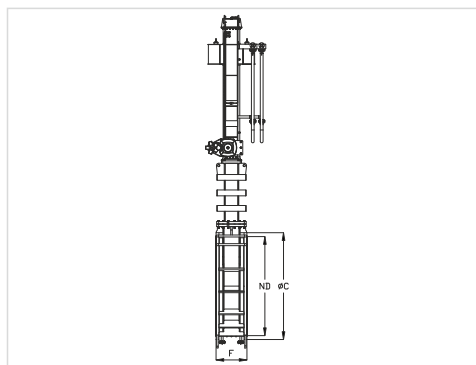
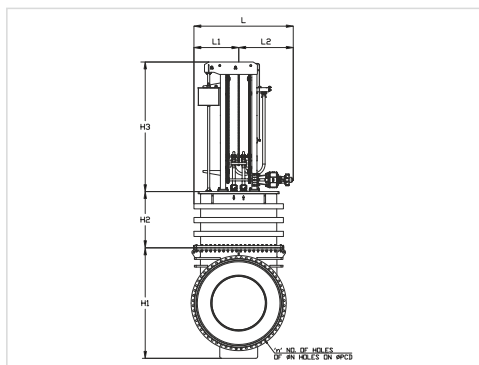
The valve mainly consists of a body, bonnet, water cooling jackets, floating gate, counterweight (optional), and drive mechanism. In order to permit the flow of the hot blast from the stove to the furnace, the hot blast valve is opened with the help of drive mechanism. When the valve closes, the back pressure from the blast furnace seals the floating disc of the hot blast valve against the body seat. Specially designed cooling jackets ensure constant cooling of the valve body while reducing heat loss to cooling water, making the valve energy efficient. Refractory lining is provided to minimize heat loss to cooling water and protect critical parts from blasts of hot air. The stuffing box ensures leak tightness and maintains the floating gate feature of the valve.

SPECIAL FEATURES :

- Special high-temperature resistant alloy steel materials for critical parts.
- Alloy steel seamless forged rings for body and disc.
- Flexible drive options.
- Stainless steel anchoring of refractory.

TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE	CONFI- GURATION	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 2000 mm	Up to 0.5 Mpa	Up to 1500°C	Energy-Saving Design	Single cylinder With counter weight	Vertical in horizontal pipeline	Electric	Body test
			Conventional	Double cylinder		Hydraulic	Seat leakage test
						Manual	Operational test
						Electric Winch	Water jacket test



Refractory ID	Flange OD-C	Face to Face Dim - F	Hole Dia-N/PCD	No of Holes-n	L1	L2	H1	H2	H3	APPROX WT IN KG
700 / 1250	1450	550	550	36	750	1627	1911	771	1982	4700
744 / 1400	1630	600	600	36	804	804	1996	685	2140	5087
850 / 1650	1885	600	600	44	830	1273	2427	545	2283	6500
900 / 1400	1940	640	640	48	1003	820	2150	831	2797	6300
1000 / 1650	2100	600	600	44	913	1437	2646	700	2439	7750
1100 / 1638	1850	600	600	40	1063	1000	2670	700	3031	8150
1300 / 2000	2265	600	600	48	1100	1600	3080	970	2915	10500
1400 / 2200	2475	600	600	52	1200	1680	3300	990	3150	11600
1520 / 2300	2560	600	600	52	1230	1780	3463	930	3260	12610
1600 / 2400	2760	800	800	56	1350	1800	3600	1150	3770	15050
1720 / 2500	2800	600	600	60	1380	1850	3657	1140	3820	15750
1775 / 2650	3015	800	800	64	1449	1950	3883	1148	4012	17500

* Other Sizes On Demand



APPLICATION :

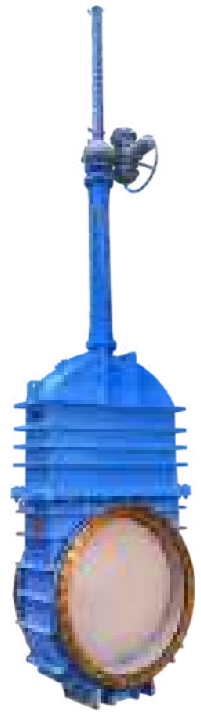
Used for the isolation of gases, especially in coke oven gas lines where tar content is very high. Ideal valve for isolation of highly toxic gas lines and gases with tar content.

TECHNICAL DESCRIPTION :

The valve mainly consists of the body, bonnet, disc, stuffing box, stem, superstructure, and drive mechanism. The actuator and bevel gearbox combination drives the stem nut of the bevel gearbox which is coupled with the valve stem and discs. This mechanism works like a screw jack and results in upward/downward movement of the disc resulting in open/close condition of valve. During valve operation, a centrally placed collapsible wedge (connected to the valve stem) exerts sealing force on discs while moving in downward/close direction and collapses in upward/open direction (avoids rubbing of seating surfaces while opening).

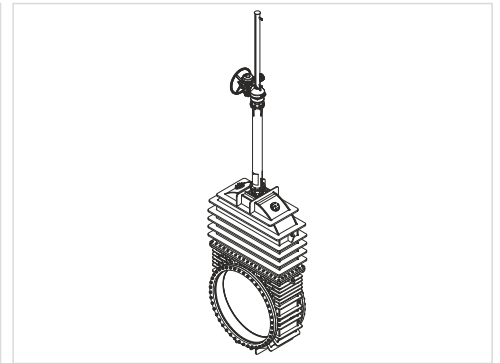
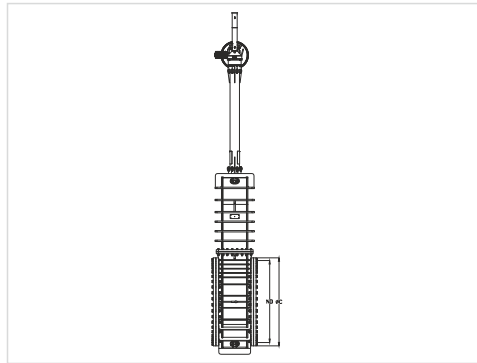
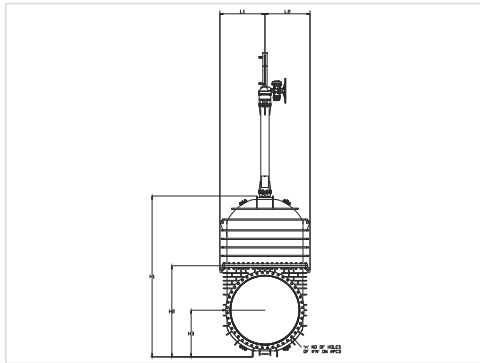
SPECIAL FEATURES :

- The valve has a rising spindle and flexible wedge with an angular seat design.
- Metal-to-metal double sealing of hard-faced, machined, ground, and lapped seating surfaces achieves a high degree of isolation.
- Water can be filled between two discs of the valve to act as a water seal for 100% man-safe isolation.
- Steam purging arrangement for melting tar and drain ports for removal of molten tar and other trapped material.
- For high-pressure and large-size valves, a long stem nut arrangement can be provided.



TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
400 to 3500 mm	Up to 0.3 Mpa	Up to 250°C	Metal to Metal	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
					Horizontal in vertical pipeline	Manual	Seat leakage test
							Operational test



ND	Flange OD-C	Face to Face Dim-F	Hole Dia-N/PCD	No of Holes-n	H1	H2	H3	H4	L1	L2	APPROX WT IN KG
600	755	390	26 / 705	20	510	990	1640	3735	550	550	1145
650	810	410	26 / 760	24	1160	1261	1739	3865	525	525	1100
700	860	430	26 / 810	24	1190	1830	1759	3935	550	550	1480
800	975	475	30 / 920	24	1312	1383	2026	4377	599	599	1500
1000	1175	550	30 / 1120	28	710	1410	2515	5545	735	735	2550
1100	1290	590	33 / 1230	32	810	1635	2744	6305	760	760	3336
1200	1405	630	33 / 1340	32	855	1730	2950	6565	857	857	3450
1300	1520	670	36 / 1450	36	1030	2086	3220	7063	860	860	3920
1400	1572	710	36 / 1560	36	1080	2120	3330	7450	957	957	4640
1500	1690	750	36 / 1660	40	1130	2150	3640	7935	1007	1007	5860
1600	1830	790	36 / 1760	40	1100	2150	3760	8350	1050	1050	7080
1800	2045	870	39 / 1970	44	1180	2450	4134	9089	1186	1186	8271
2600	2905	1250	48 / 2810	60	1580	3215	5743	12663	1550	1550	16600

* Other Sizes On Demand



APPLICATION :

Two/three lever valves are used for the isolation of fluid flow. These valves are ideal for unidirectional shut-off. Lever valves can be mounted with counterweights for emergency shut-offs in gas pipelines.

TECHNICAL DESCRIPTION :

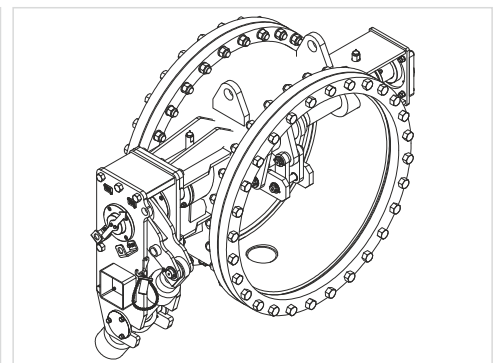
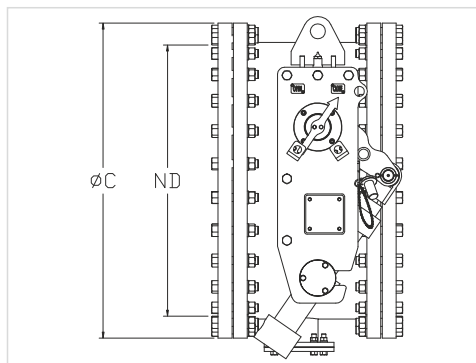
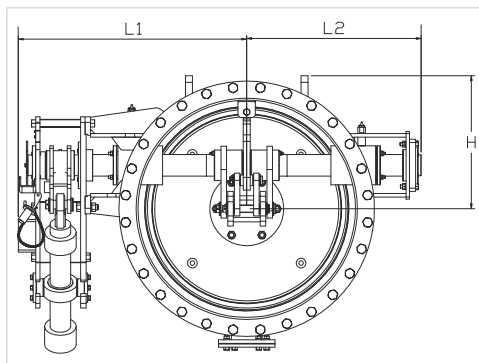
The valve mainly consists of a body, disc, levers, linkages, stuffing boxes, and a drive mechanism. The drive mechanism is coupled with the shaft of the valve and movement of the shaft results in the valve opening /closing operation. Specially designed levers and linkages guide the movement of the disc in such a way that the disc moves parallel to the seat for some distance and then starts to rotate until the valve is completely open. This movement ensures no rubbing of the seal and seat which enhances the life of the seal.

SPECIAL FEATURES :

- Self-lubricating inner bushes which eliminate the need for external lubrication.
- The valve has a safety feature of closing automatically in case of emergencies like a power failure.
- The seating surfaces are ground and lapped to achieve a high degree of sealing in case of metal-to-metal sealing.
- Manual override option available.

TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
400 to 3500 mm	Up to 0.5 Mpa	Up to 500°C	Rubber	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
			Metal to Metal			Hydraulic	Seat leakage test
					Horizontal in vertical pipeline	Pneumatic	Operational test
						Manual	



ND	Flange OD-C	Face To Face Dim-F	Hole Dia-N/PCD	No Of Holes-n	L1	L2	APPROX WT IN KG
700	860	430	30 / 810	24	830	650	850
800	975	470	30 / 920	24	920	670	1100
900	1075	510	33 / 1020	24	950	740	1150
1200	1405	630	33 / 1340	32	1170	930	2000
1300	1520	770	36 / 1450	36	1220	980	2400
1400	1630	760	36 / 1560	36	1310	1050	3400
1500	1730	950	36 / 1660	40	1480	1160	4500
1600	1830	950	36 / 1760	40	1390	1090	5200
1800	2045	870	39 / 1970	44	1580	1270	6100
1900	2155	910	42 / 2075	48	1620	1340	6600
2000	2265	950	42 / 2180	48	1720	1430	6700
2200	2475	1030	42 / 2390	52	1850	1790	9300
2400	2685	1110	42 / 2600	56	1950	1650	9900
2500	2795	1150	48 / 2705	60	2030	1760	10200
2700	3010	1230	48 / 2915	64	2250	1700	11500
3000	3315	1350	48 / 3220	68	2320	1950	15600
3200	3525	1510	48 / 3430	72	2510	2090	15800
3400	3735	1510	48 / 3640	76	2560	2180	20000

* Flange Rating - PN6 (Other On Demand) | Other Sizes On Demand



APPLICATION :

A triple eccentric butterfly valve is used for shut-off as well as regulating duty applications.

TECHNICAL DESCRIPTION :

The valve mainly consists of the body, disc, trunnion, shaft, stuffing box, gearbox, bearings, and drive mechanism. This valve is similar in construction to a double eccentric butterfly valve with a tilted seat as a third eccentricity.

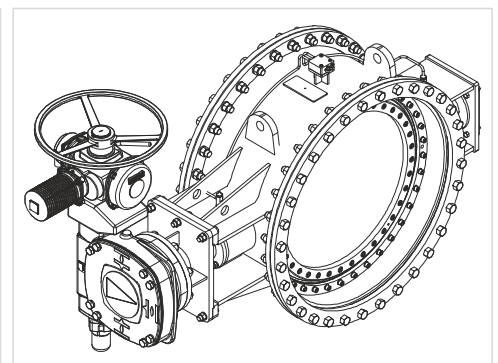
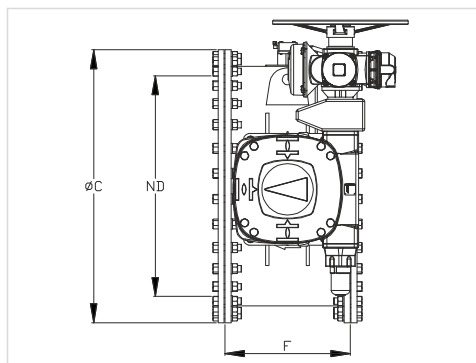
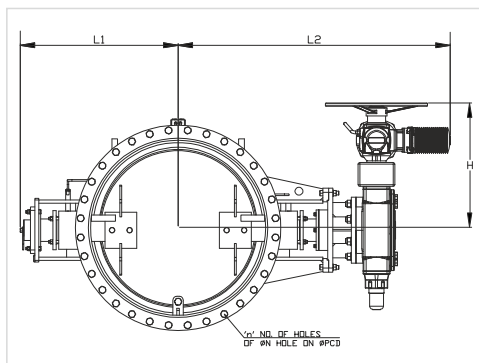
SPECIAL FEATURES :

- These valves are provided with metal-to-metal (laminar) seals.
- The triple eccentric butterfly valve has the unique feature of zero friction between the valve seal and seat with very low operating torque.
- Steam jacketed offset butterfly valve option is available for all tail gas applications and for high Sulphur gas lines.



TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 3500 mm	Up to 0.5 Mpa	Up to 500°C	Rubber	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
			Laminar seal (Metal to Metal)		Horizontal in vertical pipeline	Hydraulic	Seat leakage test
						Pneumatic	Operational test



ND	Flange OD - C	Face to Face Dim - F	Hole Dia - N / PCD	No of Holes - n	L1	L2	APPROX WT IN KG
600	755	390	26 / 705	20	680	932	510
800	975	470	30 / 920	24	795	1025	835
1300	1520	660	36 / 1450	36	1090	1410	2986
1400	1630	710	36 / 1560	36	1180	1500	2300
1600	1830	790	36 / 1760	40	1245	1540	2560

* Flange Rating - PN6 (Other On Demand) | Other Sizes On Demand



APPLICATION :

A double eccentric butterfly valve can be used in shut-off applications of air, gas, and water/liquid lines.

TECHNICAL DESCRIPTION :

The valve mainly consists of the body, disc, trunnion, shaft, stuffing box, gearbox, bearings and drive mechanism. The valve has an eccentricity of the drive shaft in two axes, why it is called a double eccentric butterfly valve. Due to this construction, the valve provides high torque with leakproof sealing.

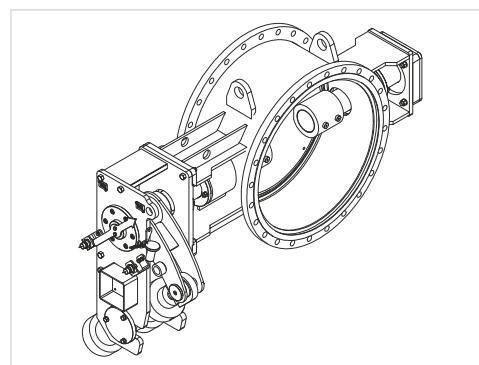
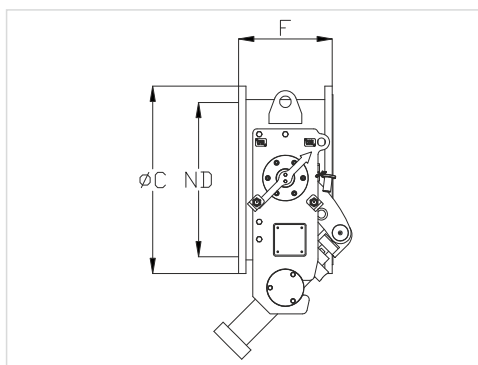
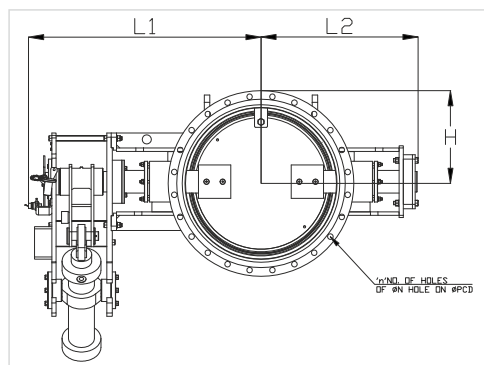
SPECIAL FEATURES :

- Special sealing geometry and seal shape ensure zero leakage and free movement of the disc for more than 95% of travel.
- Onsite seal change possibility.



TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 4700 mm	Up to 0.5 Mpa	Up to 500°C	Rubber	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
			Laminar seal (Metal to Metal)			Hydraulic	Seat leakage test
					Horizontal in vertical pipeline	Pneumatic	Operational test



ND	Flange OD - C	Face to Face Dim - F	Hole Dia - N / PCD	No of Hole - n	L1	L2	APPROX WT IN KG
400	540	310	24 / 495	16	440	660	340
500	645	350	22 / 600	20	550	745	530
600	755	390	26 / 705	20	650	930	640
700	860	430	26 / 810	24	710	900	750
750	920	450	30 / 865	24	750	910	930
800	975	470	30 / 920	24	775	1025	1200
900	1075	510	30 / 1020	24	785	1150	1600
1000	1175	1096	30 / 1120	28	800	1220	1990
1100	1290	590	33 / 1230	32	810	1240	2365
1200	1405	630	33 / 1340	32	1045	1250	2620
1300	1520	700	36 / 1450	36	1090	1310	2980
2000	2190	760	42 / 2180	48	1590	1980	7280
4700	5110	1300	48 / 4970	100	3235	3720	36500

* Flange Rating - PN6 (Other On Demand) | Other Sizes On Demand



APPLICATION :

The control duty butterfly valve is used for the purpose of controlling/regulating/throttling air/gas in pipelines.

TECHNICAL DESCRIPTION :

The valve consists of a body, disc, and shaft with outboard bearings, a stuffing box, and a drive mechanism. The valve is equipped with an electronic positioner and position transmitter for accurate regulation.

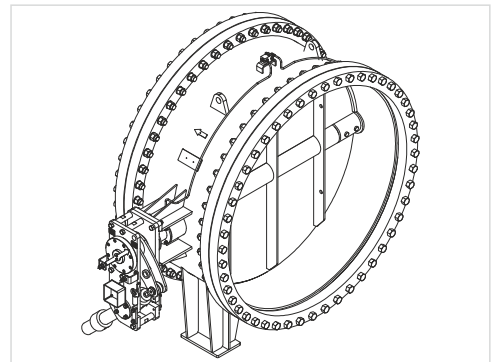
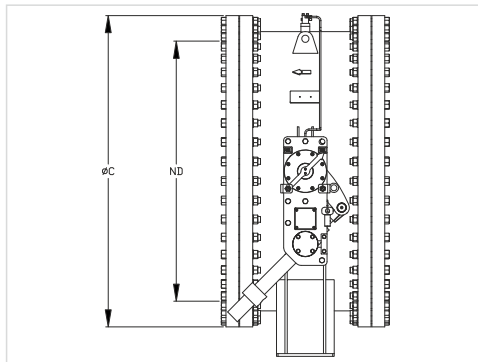
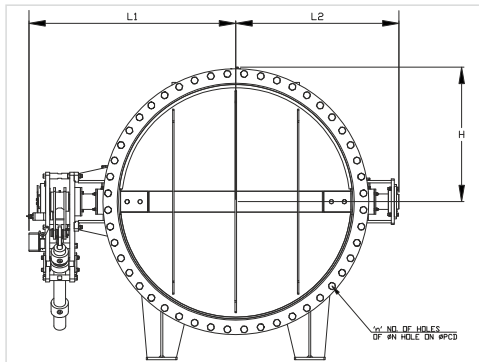
SPECIAL FEATURES :

- Electro-pneumatic smart positioner with a transmitter can also be provided with a pneumatic drive.
- Low-pressure drop disc construction.



TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 3500 mm	Up to 0.5 Mpa	Up to 500°C	Non contacting	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
						Pneumatic	Operational test
					Horizontal in vertical pipeline	Hydraulic	



ND	Flange OD - C	Face to Face Dim - F	Hole Dia - N / PCD	No of Holes - n	L1	L2	H	APPROX WT IN KG
300	440	270	22 / 395	12	690	420	730	320
350	490	290	22 / 445	12	710	450	730	560
400	540	310	24 / 495	16	735	470	740	410
500	645	350	22 / 600	20	810	500	480	790
600	755	390	26 / 705	20	950	600	1035	910
750	920	400	30 / 865	24	1050	680	1120	1040
1000	1175	410	30 / 1120	28	1300	980	1200	1600
1600	1830	790	36 / 1760	40	1510	1230	1250	2975
1900	2155	910	42 / 2075	48	1675	1325	1280	4110

* Flange Rating - PN6 (Other On Demand) | Other Sizes On Demand



APPLICATION :

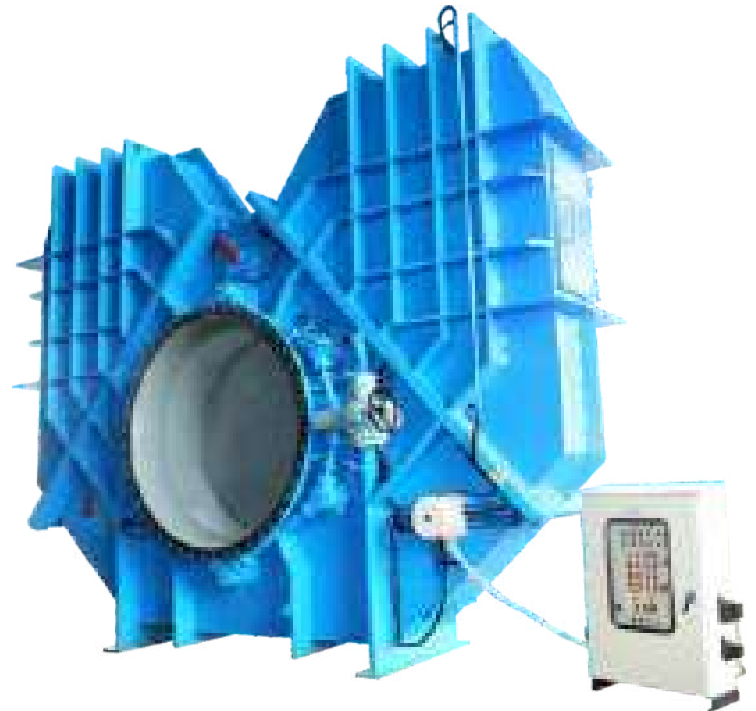
The Goggle valve is used for the isolation of Blast furnace gas/toxic or inflammable gases in the furnace, and converter gas pipelines.

TECHNICAL DESCRIPTION :

The valve mainly consists of the body, disc, compensator bellow, clamping/de-clamping mechanism, disc centering mechanism, and drive mechanism. These valves can be operated in auto as well as manual modes. The operation cycle consists of de-clamping the seats, disc movement (sliding or rotating), clamping of seats, and vent valve operation (opening or close). The valve is designed for jam-proof operation under extreme operating conditions.

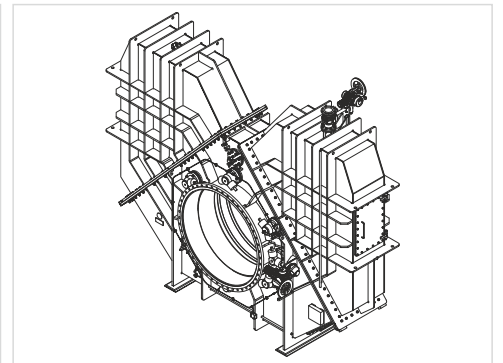
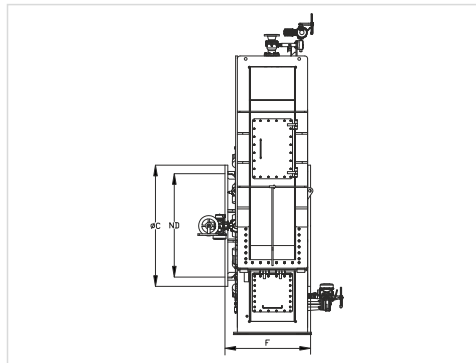
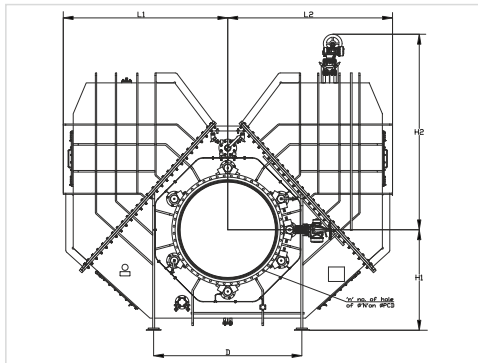
SPECIAL FEATURES :

- Nitrogen purging arrangement can be provided at the end of either the close or open cycle.
- Interlocks are provided in the control panel to avoid any misalignment or illogical functioning of the goggle valve.
- All hydraulic tubing is outside the body for easy maintenance/replacement without dismantling the valve.
- Auto and Manual mode for valve function.



TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 3000 mm	Up to 0.3 Mpa	Up to 500°C with refractory lining	Double sided Silicon rubber	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
						Hydraulic	Seat leakage test
						Electro Hydraulic	Operational test



ND	Flange ID -C	Face to Face Dim - F	Hole Dia - N / PCD	No of Holes -n	H2	H1	L1	L2	D	APPROX WT IN KG
1250	1465	1600	33 / 1395	32	300	1290	2300	2300	2250	11600
2000	2265	1600	42 / 2180	48	2015	3900	3340	3340	3000	22500
2600	2950	1600	48 / 2810	60	2270	4600	4200	4200	3600	25400

* Other Sizes On Demand



APPLICATION :

The Goggle valve is used for the isolation of Blast furnace gas/toxic or inflammable gases in the furnace, and converter gas pipelines.

TECHNICAL DESCRIPTION :

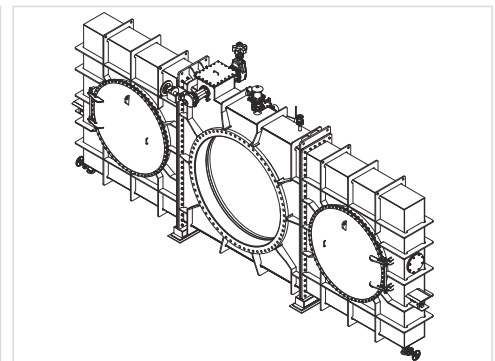
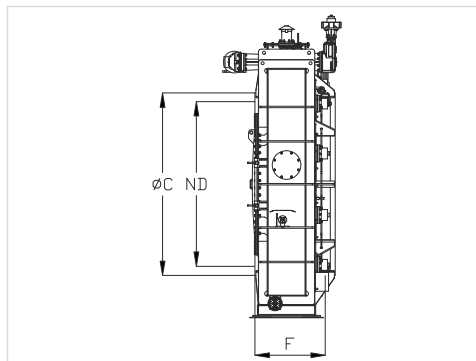
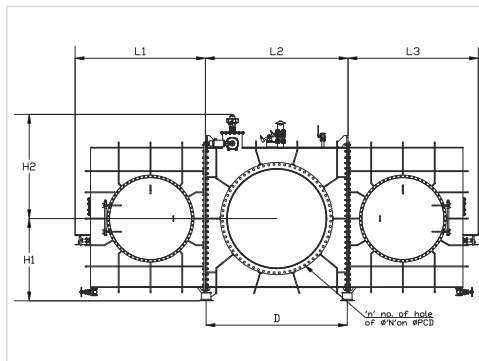
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SPECIAL FEATURES :

- Nitrogen purging arrangement can be provided at the end of either the close or open cycle.
- Interlocks are provided in the control panel to avoid any misalignment or illogical functioning of the goggle valve.
- All hydraulic tubing is outside the body for easy maintenance /replacement without dismantling the valve.
- Auto and Manual mode for valve function.
- Available in Vertical slide plate goggle valve configuration.
- Vertical Goggle valves are available in two types of construction: Single Bonnet | Double Bonnet.

TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 3000 mm	Up to 0.3 Mpa	Up to 500°C with refractory lining	Double sided Silicon rubber	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
						Hydraulic	Seat leakage test
					Horizontal in vertical pipeline	Electro Hydraulic	Operational test



ND	Flange OD - C	Face to Face Dim - F	Hole Dia - N / PCD	No of Holes - n	L1	L2	H1	H2	K	J	D	APPROX WT IN KG
1800	2045	1600	39 / 1970	44	4150	4150	2500	1830	2690	2690	2925	15180
1900	2155	1600	42 / 2075	48	4210	4210	1880	3460	2775	2775	2835	20250
2000	2265	1600	42 / 2180	48	4410	4410	1930	3740	2925	2925	2935	20800
2500	2795	1400	45 / 2750	60	5200	5200	2180	4195	3390	3390	3585	22200

* Other Sizes On Demand



APPLICATION :

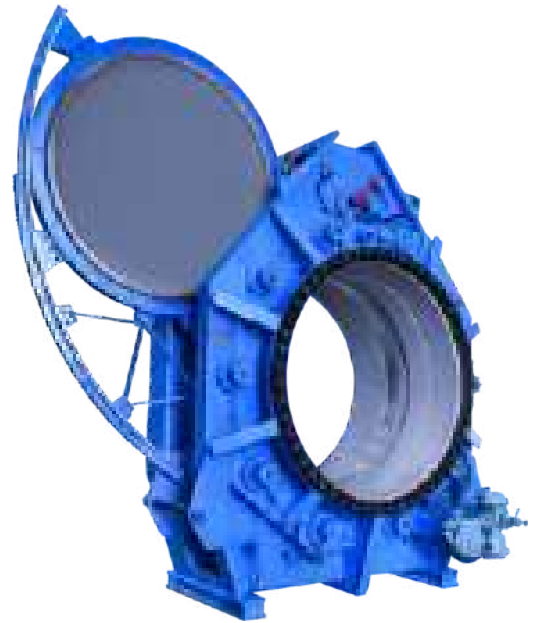
The Goggle valve is used for the isolation of Blast furnace gas/toxic or inflammable gases in the furnace, and converter gas pipelines.

TECHNICAL DESCRIPTION :

The valve mainly consists of the body, disc, compensator bellow, clamping/de-clamping mechanism, disc centering mechanism, and drive mechanism. These valves can be operated in auto as well as manual modes. The operation cycle consists of de clamping the seats, disc movement (sliding), clamping of seats, and vent valve operation (opening or close). The valve is designed for jam- proof operation under extreme operating conditions.

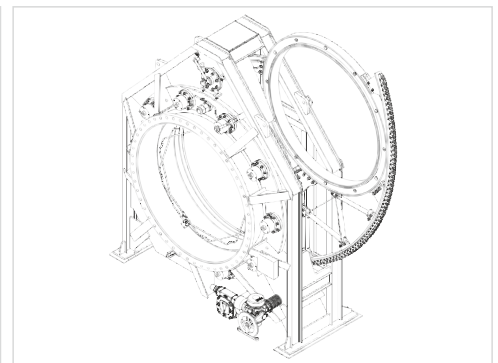
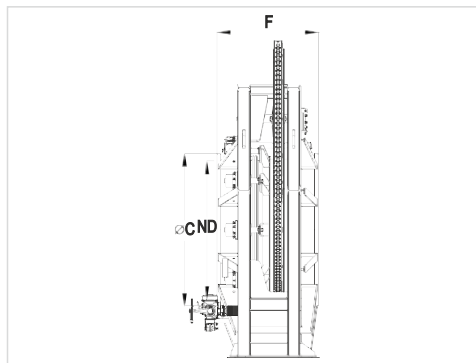
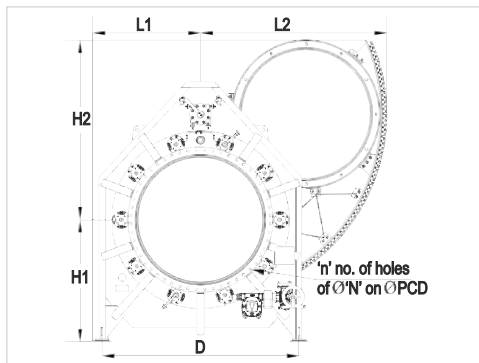
SPECIAL FEATURES :

- Nitrogen purging arrangement can be provided at the end of either the close or open cycle.
- Interlocks are provided in the control panel to avoid any misalignment or illogical functioning of the goggle valve.
- All hydraulic tubing is outside the body for easy maintenance/replacement without dismantling the valve.
- Auto and Manual mode for valve function.



TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 3000 mm	Up to 0.3 Mpa	Up to 200°C	Double sided silicon rubber	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
						Hydraulic	Seat leakage test
						Electro-Hydraulic	Operational test



ND	Flange OD - C	Face to Face Dim - F	Hole Dia - N / PCD	No of Holes - n	L1	L2	H1	H2	D	APPROX WT IN KG
600	755	1400	26 / 705	20	800	1050	865	1140	550	2085
750	920	1400	30 / 865	24	740	1155	825	1540	750	2320
800	975	1400	30 / 920	24	820	1200	900	1175	1090	3395
900	1075	1400	30 / 1020	24	820	1205	900	1605	750	3650
1200	1405	1400	33 / 1340	32	1450	2000	1475	2000	2345	7100
1300	1520	1600	36 / 1450	36	1510	2150	1525	2150	1600	8000
1600	1830	1600	36 / 1760	40	1575	2475	1575	2375	1700	8980
1800	2045	1600	39 / 1970	44	1875	2700	1685	2650	1930	10300
2000	2265	1600	42 / 2180	48	1800	3000	1650	3200	2200	11850
2135	2415	1600	42 / 2325	52	1790	3200	2030	3150	3280	12500
2600	2905	1600	48 / 2810	60	2100	3700	2200	3650	2700	16200
3000	3315	1600	48 / 3220	68	2591	4200	2200	4300	3000	19200

* Other Sizes On Demand



APPLICATION :

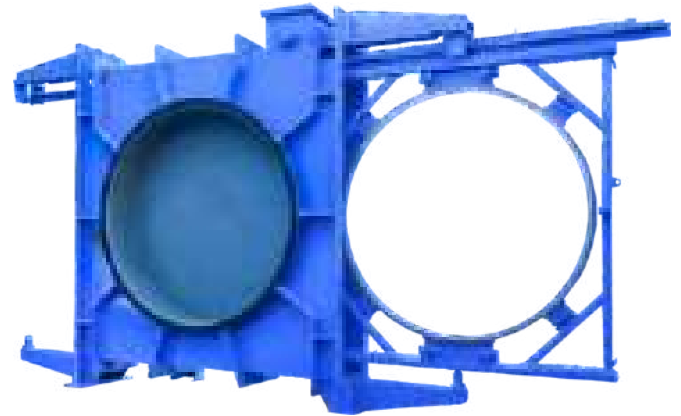
The Goggle valve is used for the isolation of Blast furnace gas/toxic or inflammable gases in the furnace, and converter gas pipelines.

TECHNICAL DESCRIPTION :

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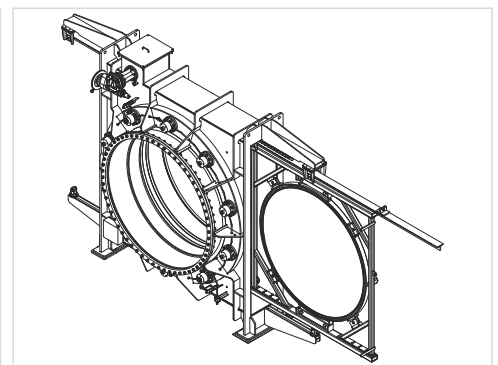
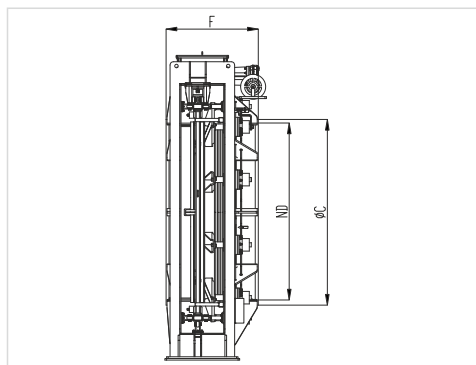
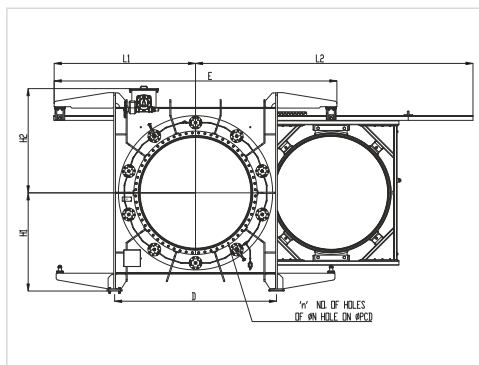
SPECIAL FEATURES :

- Nitrogen purging arrangement can be provided at the end of either the close or open cycle.
- Interlocks are provided in the control panel to avoid any misalignment or illogical functioning of the goggle valve.
- All hydraulic tubing is outside the body for easy maintenance /replacement without dismantling the valve.
- Auto and Manual mode for valve function.
- Available in Vertical slide plate goggle valve configuration.



TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 3000 mm	Up to 0.3 Mpa	Up to 200°C	Double sided silicon Rubber	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
						Hydraulic	Seat leakage test
					Horizontal in vertical pipeline	Electro-Hydraulic	Operational test



ND	Flange OD - C	Face to Face Dim - F	Hole Dia - N / PCD	No of Holes - n	L1	L2	H1	H2	D	E	APPROX WT IN KG
950	1125	1400	30 / 1070	28	1365	1825	1250	1270	1885	2860	3560
1200	1405	1400	33 / 1340	32	1720	3195	1670	1345	2300	3290	7020
1300	1520	1400	36 / 1450	36	1770	3345	1720	1395	2400	3400	8000
2200	2475	1600	42 / 2390	52	2650	6000	2190	1930	3395	5200	15500
2600	2820	1400	33/2740	60	3230	6340	2432	3230	3700	6370	15800
3400	3630	1600	48 / 2640	76	4025	7940	3200	2525	4295	8080	21500

* Other Sizes On Demand



APPLICATION :

A snort valve is used to regulate the flow of cold blasts going to the hot-blast stoves and vent out the excess quantity to the atmosphere through a blow-off device and silencer without disturbing the blower.

TECHNICAL DESCRIPTION :

The valve mainly consists of the main control valve, exhaust valve, silencer, mechanical linkages, and drive mechanism. The main control valve is connected to the vent valve either through a mechanical linkage or a connecting rod to the disc on the exhaust valve. The synchronization between two valves is such that when the main valve is open the vent valve is completely closed and vice versa. This valve can be supplied with or without a silencer.

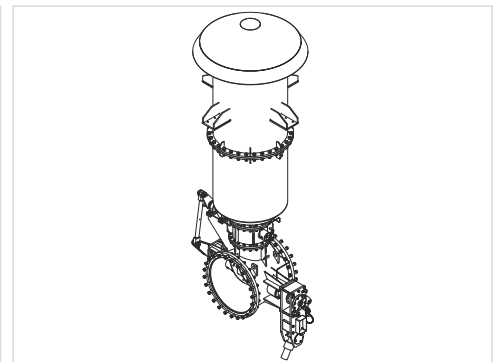
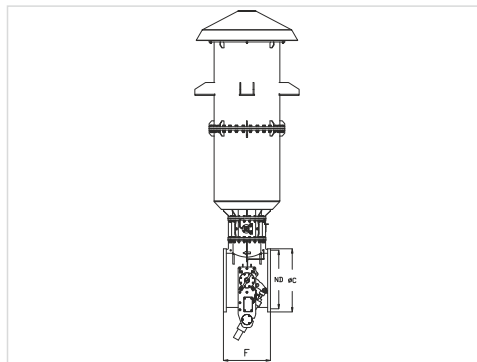
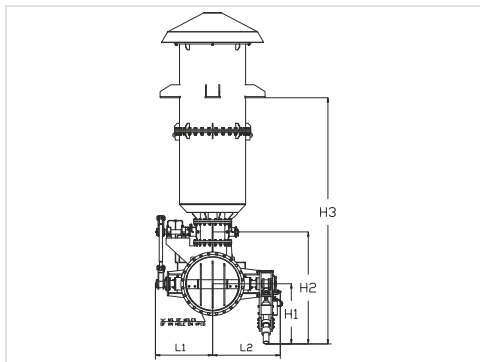
SPECIAL FEATURES :

- Specially designed silencer reduces the noise level of blow-off air jet with in permissible limits of 85 Db.



TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 2000 mm	Up to 0.4 Mpa	200°C	Metal to Metal	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
			Silicon rubber			Pneumatic	Seat leakage test
							Operational test



ND	Flange OD - C	Face to Face Dim - F	Hole Dia - N / PCD	No of Holes - n	H1	H2	H3	L1	L2	APPROX WT IN KG
700	860	750	26 / 810	24	1030	350	3535	850	1250	3500
800	975	800	30 / 920	24	1140	355	3535	920	1040	3800
900	1075	800	30 / 1020	24	1240	355	3535	970	1090	4000
1400	1630	1100	36 / 1560	36	1785	375	1670	1290	1585	6780
1800	2045	2000	39 / 1970	44	2280	1300	5025	1650	1750	15650

* Flange Rating - PN6 (Other On Demand) | Other Sizes On Demand

**APPLICATION :**

The Septum valve is used to control BF gas pressure at the blast furnace throat. It is installed in piping with clean or semi-clean gas.

TECHNICAL DESCRIPTION :

The valve mainly consists of multiple control-duty butterfly valves with a common housing flange. Each butterfly control valve is equipped with individual control drives. Out of these multiple valves, normally one valve is used to control the flow and others are set to a desired open position per the furnace top pressure requirement. The shell comes with internal stainless-steel cladding to prevent abrasion due to dust particles. The actuators of the valves are positioned for easy access on both sides of the valve.

**SPECIAL FEATURES :**

- Water spray nozzles can be provided to flush the accumulated dust particles.
- Valve internals can be coated/painted with ceramic coatings.

TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 3500 mm	Up to 0.3 Mpa	200°C	Non contacting	Flanged ends	Vertical in horizontal pipeline	Electric	Body test
						Pneumatic	Operational test

**BLEEDER VALVES (Counter Weight Operated)****APPLICATION :**

Bleeder valves are used for bleeding or venting of gases. Generally used at furnace top or dust catcher top.

TECHNICAL DESCRIPTION :

The valve consists of body, body seat, disc seat, lever, and counter weights. When the pressure inside the furnace builds up and increased above the set value, the lid of the bleeder valve opens and gas is released through the gap between lid and body. As the pressure in furnace becomes normal, the lid comes down to the original position, due to the counter weight.

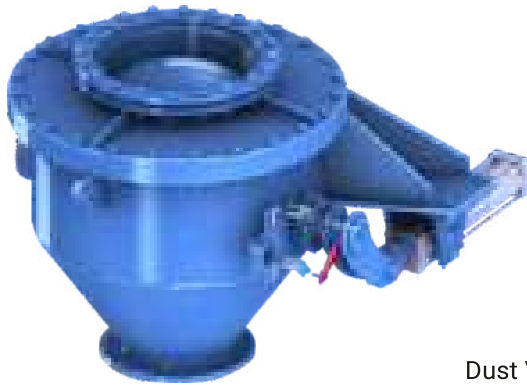
SPECIAL FEATURES :

- Cone and sphere sealing geometry achieves high degree of isolation.
- Special designs with soft seals / double sealing arrangement can be provided.

TECHNICAL SPECIFICATIONS

SIZE RANGE	MAXIMUM OPERATING PRESSURE	MAXIMUM OPERATING TEMPERATURE	TYPE OF SEALING	CONNECTION TO PIPE	INSTALLATION IN PIPELINE	DRIVE	TESTING
Up to 1500 mm	Up to 0.4 Mpa	Up to 300°C	Silicon rubber	Flanged ends	Vertical In vertical pipeline	Electric	Operational test
			Metal to metal			Manual winch	





Dust Valve



Quick Shut-off Butterfly Valves
(Electro-magnetic DESIGN)



Hot Blast Damper



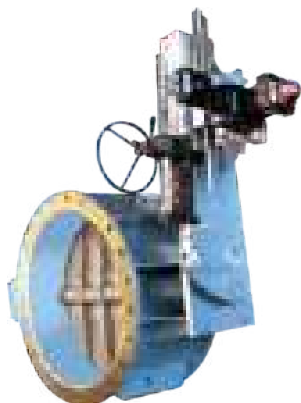
Steam Jacketed Triple
Eccentric Butterfly Valve



Switch over valve / Change over valve



Refractory Lined
Butterfly Valve



Pneumatic Control
Duty Butterfly Valve

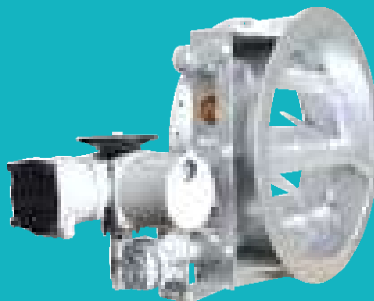


Steam Emergency
Bleeder Valve

OTHER PRODUCTS



Multi louver Butterfly Dampers
(Rectangular)



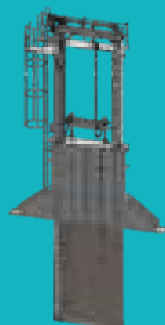
Multi louver Butterfly Dampers
(Circular)



Rectangular type Butterfly Dampers



Circular Butterfly Dampers



Tunnel Dampers

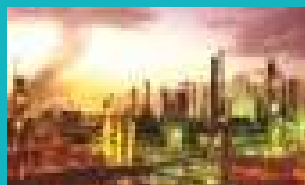


Guillotine Dampers

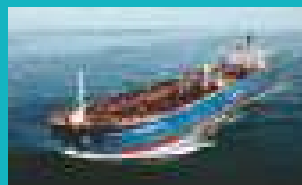
INDUSTRIES SERVED



Petrochemical



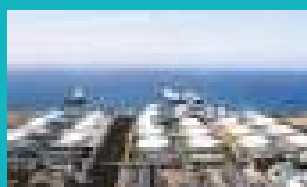
Oil refinery



Product carrier



Iron and steel making



Oil and gas terminal



Thermal



Rigs and platforms



Cement



JoshiJampala Engineering GmbH

Technological Excellence Through Innovation

INDIA :

HEAD OFFICE (SATARA)

M-64, Additional M.I.D.C., Satara - 415004, Maharashtra, India.

Mob : +91 77678 09105 | +91 99230 05317

Email : sales@joshijampala.com

SALES OFFICE (BHUBANESWAR)

Plot no. 270 & 278, Susama Complex, 2nd floor, NH16,
Rasulgarh Chowk, Bhubaneswar - 751010

Mob : +91 88952 53856

Email : dilip.joshi@joshijampala.com

GERMANY :

Am langen Graben 24, 52353 Düren, Germany.

Tel : +49 171 3170 123

Email : sales.germany@joshijampala.com