



DAVSGEMINI VALVES PVT LTD.

SERIES 600

Y-TYPE FLUSH BOTTOM VALVE

COMPANY PROFILE:

DAVSGEMINI is high-tech Company which professionally Design and Develops Y-TYPE FLUSH BOTTOM VALVE. DAVSGEMINI is instituted to manage the quality control systems which assure all our products and service provided will meet the requirements of Valves Standards.

At DAVSGEMINI we believe in youthful power and creativity to establish our reliable quality and services our products are widely applied in various industrial fields. Like paper making chemicals, environmental production light industry, pharmacy, building automations, Oil & Gas etc.



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Y-TYPE FLUSH BOTTOM VALVE

INTRODUCTION :

Tank Flushing is becoming real critical in pharmaceutical, biotechnological, micro-bio technological process industry and sanitary application, especially in batch processing reactors, tanking and API industry. For optimum flushing of Tank Bottom, DAVSGEMINI has designed a state – of – the art application friendly Flush bottom Segmented Y TYPE FLUSH BOTTM VALVE for optimum flushing and convenient fitment to Tank bottom, resolving all tank bottom issues and hurdles,

SYSTEM :

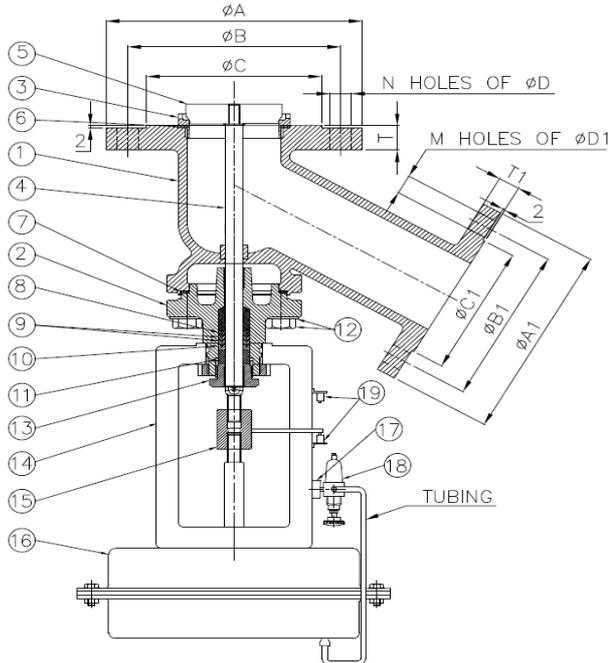
The standard Y- TYPE FLUSH BOTTOM VALVES consists of one higher size flange for TANK BOTTOM Mounting in case of flanged Designed and size to size in case of welded design Y-TYPE FLUSH BOTTOM VALVES with pneumatic Diaphragm Actuator and accessories optionally selected as Solenoid Valve. Position Indicator for on-off indication, Positioner for controlled process flushing

GENERAL SPECIFICATION:

Size Available: - 1'' to 6'' (DN25 to DN150)

Pressure Rating: - class150 Full Bore

Flange Standard:-ASME B16.5



Sr.	Description	Material
1	BODY	WCB/CF8/CF8M/CF3M
2	BONNET	WCB/CF8/CF8M/CF3M
3	SEAT	CF8/CF8M/CF3M
4	STEM	SS304/SS316/SS316L/SS410
5	PLUG	SS304/SS316/SS316L/SS410
6	SEAT SEAL	PTFE
7	BONNET SEAL	PTFE
8	BOTTEM PACKING	PTFE/GRAPHITE
9	MIDDLE PACKING	PTFE/GRAPHITE
10	TOP PACKING	PTFE/GRAPHITE
11	GLAND	SS304/SS316
12	HEX BOLT & WASHER	SS304/MS
13	GLAND NUT	SS304/SS316/SS410
14	YOKE	MS
15	COUPLER	SS304/SS316
16	DIAPHRAGM ACTUATOR	PNEUMATIC ACTUATOR
17	SOLENOID VALVE	STD.
18	AIR FILTER REGULATOR	STD.
19	LIMIT SWITCH BOX	STD.

SIZE	DIMENSIONAL DATA IN mm											
	øA	øB	øC	T	N	øD	øA1	øB1	øC1	T1	M	øD1
6'' X 4''	280	241.3	215.9	25.9	8	22	230	190.5	157.2	24.3	8	19
4'' X 3''	230	190.5	157.2	24.3	8	19	190	152.4	127	19.5	4	19
3'' X 2''	190	152.4	127	19.5	4	19	150	120.7	92.1	16.3	4	19
2'' X 1.5''	150	120.7	92.1	16.3	4	19	125	98.4	73	14.7	4	16
1.5'' X 1''	125	98.4	73	14.7	4	16	110	79.4	51	11.6	4	16

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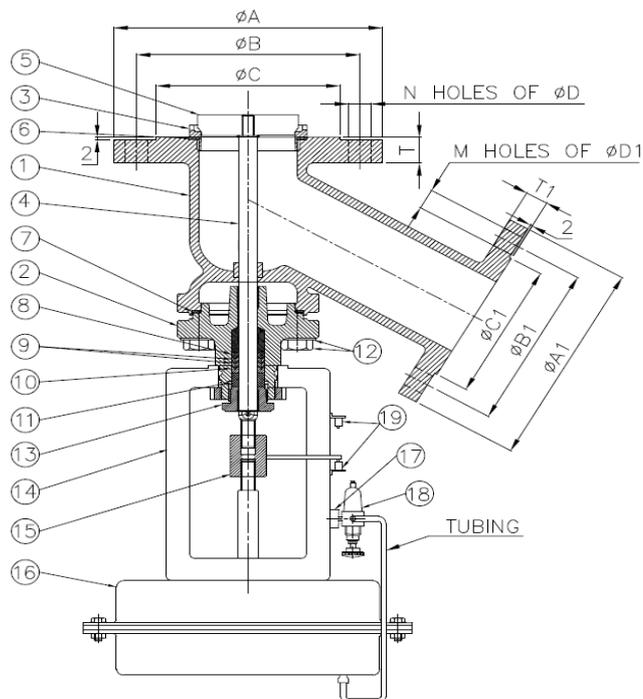
Y-TYPE FLUSH BOTTOM VALVE

GENERAL SPECIFICATION'S :

Size Available: - 1'' to 6'' (DN25 to DN150)

Pressure Rating: - class150 Full Bore

Flange Standard:-ASME B16.5



Sr.	Description	Material
1	BODY	WCB/CF8/CF8M/CF3M
2	BONNET	WCB/CF8/CF8M/CF3M
3	SEAT	CF8/CF8M/CF3M
4	STEM	SS304/SS316/SS316L/SS410
5	PLUG	SS304/SS316/SS316L/SS410
6	SEAT SEAL	PTFE
7	BONNET SEAL	PTFE
8	BOTTEM PACKING	PTFE/GRAPHITE
9	MIDDLE PACKING	PTFE/GRAPHITE
10	TOP PACKING	PTFE/GRAPHITE
11	GLAND	SS304/SS316
12	HEX BOLT & WASHER	SS304/MS
13	GLAND NUT	SS304/SS316/SS410
14	YOKE	MS
15	COUPLER	SS304/SS316
16	DIAPHRAGM ACTUATOR	PNEUMATIC ACTUATOR
17	SOLENOID VALVE	STD.
18	AIR FILTER REGULATOR	STD.
19	LIMIT SWITCH BOX	STD.



SIZE	DIMENSIONAL DATA IN mm											
	øA	øB	øC	T	N	øD	øA1	øB1	øC1	T1	M	øD1
4'' X 3''	255	200	157.2	32.2	8	22.3	210	168.3	127	29	8	22.3
3'' X 2''	210	168.3	127	29	8	22.3	165	127	92.1	22.7	8	19
2'' X 1.5''	165	127	92.1	22.7	8	19	155	114.3	73	21.1	4	22.3
1.5'' X 1''	155	114.3	73	21.1	4	22.3	125	88.9	51	19.9	4	19

APPLICATIONS :

Suitable for water, steam and thermal oil in all industrial areas including textile dyeing and finishing machinery, petrochemical, oil and gas, municipal water supply, waste water treatment, power plant pulp and paper food and beverage, oleo chemical, palm oil refinery, pharmaceutical, shipbuilding etc.



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Y-TYPE GLASS LINED VALVE WITH DIAPHRAGM ACTUATOR :

DAVSGEMINI Glass-lined Valves are designed with proportional outlet Diameters to ensure full product flow. One –piece head and stem design, combined with a seat of PTFE lined steel, assures tight shutoff. A fully glassed stem minimizes the possibility of product adherence. All DAVSGEMINI VALVES are furnished with required quantity of PTFE chevron packing rings to prevent leakage under pressure or vacuum.

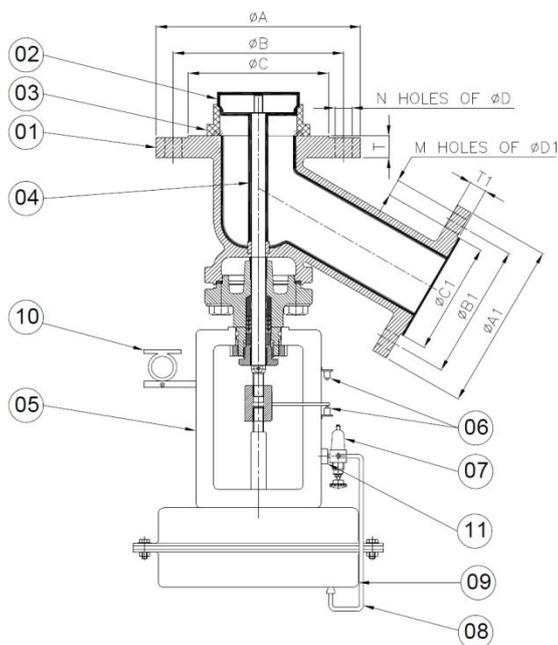
These valves are specially designed to avoid complex maintenance. For example to change the PTFE seat, just remove the valve, loosen the stem from the main shaft and pull it through the stuffing box. On replacement, the head and seat realign automatically, Valves are furnished with 150 ib. ANIS drilling. Pneumatic operators are available, flush type bottom outlet valves are available with temperature sensing well. The temperature sensors can be either dual RTD or thermocouple.

GENERAL SPECIFICATION'S

Size Available: - 1'' to 4'' (DN25 to DN100)

Pressure Rating: - PN 5 / PN10

Flange Standard:- ASME16.5



Sr.	Description	Material
1	BODY	WCB/CF8/CF8M/CF3M+GLASS LINE
2	PLUG	SS410/SS304/SS316+GLASS LINE
3	SEAT	PTFE/GFT
4	STEM	SS410/SS304/SS316/SS316L+GLASS LINE
5	YOKE	MS
6	SENSOR	RTD SENSOR
7	AIR FILTER REGULATOR	STD
8	TUBING	SS304/SS316
9	DIAPHRAGM	PNEUMATIC ACTUATOR
10	SENSOR	TEMPRATURE RECORDER
11	SOLENOID VALVE	STD

SIZE	DIMENSIONAL DATA IN mm											
	øA	øB	øC	T	N	øD	øA1	øB1	øC1	T1	M	øD1
4'' X 3''	230	190.5	157.2	24.3	8	19	190	152.4	127	19.5	4	19
3'' X 2''	190	152.4	127	19.5	4	19	150	120.7	92.1	16.3	4	19
2'' X 1.5''	150	120.7	92.1	16.3	4	19	125	98.4	73	14.7	4	16
1.5'' X 1''	125	98.4	73	14.7	4	16	110	79.4	51	11.6	4	16

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FLUSH TYPE BOTTOM OUTLET :

Flush type valves are essential where reactors and tanks may contain crystals or slurries, The special DAVSGEMINI design reduces dead space: in opening the valve head moves upward to break through residue in the bottom of tank: when closed, the valve seat and head occupy the nozzle void to prevent any product entrapment.



DAVSGEMINI VALVES PVT LTD.

REGD.OFFICE

SAHIL RESIDENCY FLAT NO.3 BLDG A,B –WING SECTOR NO.9

PLOT NO.17 MOSHI PCNTDA PUNE41205

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