

SANDWICH® Valves

Sizes: 4-inch and larger

Manual and hydraulic models available

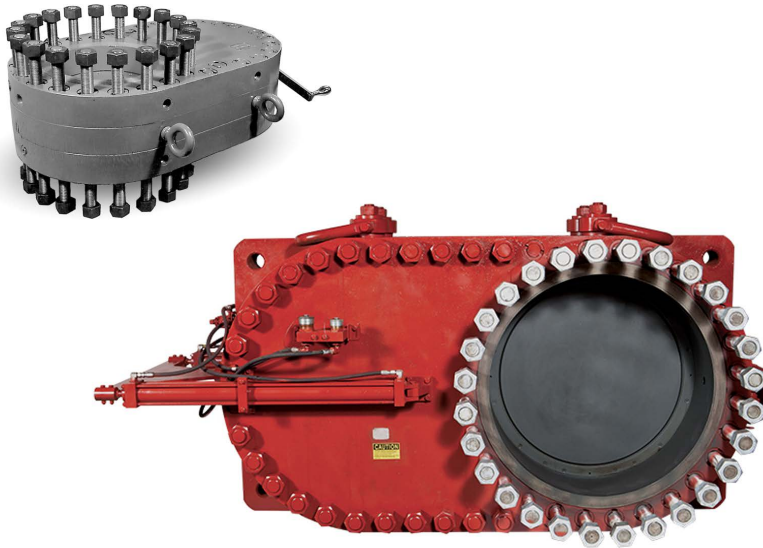


T.D. Williamson

Bulletin No: 1020.001.05

Version: 12.2019

Supersedes: 1020.001.04 (04.2017)



Description

SANDWICH® Valves are designed for use with T.D. Williamson, Inc. Tapping Machines, TDW STOPPLE® Plugging Machines, and fittings with LOCK-O-RING® Flanges during hot tapping and plugging operations. SANDWICH Valves have flat-faced, serrated gasket surfaces and are supplied to match ASME Class 150, 300, or 600 flanges.

SHORTSTOPP® 500 requires the use of 4-through 12-inch ASME Class 300 SANDWICH Valves.

Features

TDW SANDWICH Valves average 75% less total face-to-face dimensions than conventional valves, which means less installation time and easier handling and functioning in tight places where other equipment would be difficult or impossible to use.

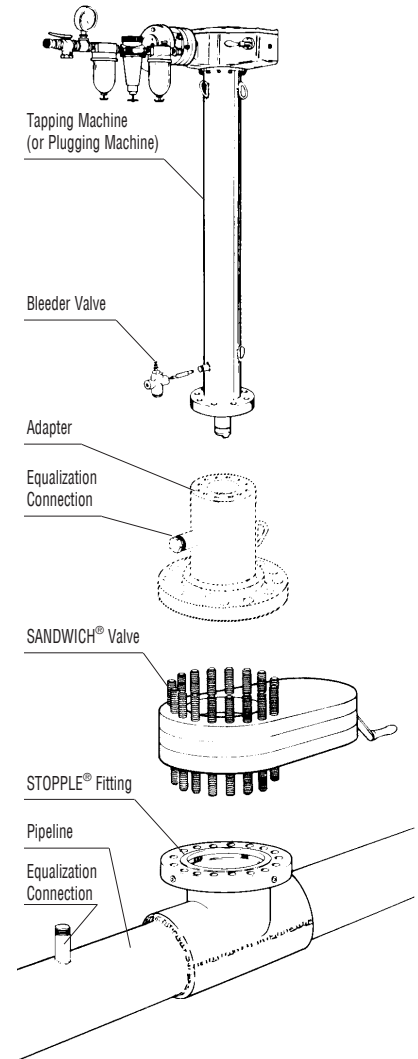
The SANDWICH Valve is bidirectional and can be installed on the fitting in any direction as long as the bore of the valve is in line with the fitting bore. The valve can be oriented parallel or perpendicular to the pipeline to fit the excavation.

Other design features of the SANDWICH Valve include an oversized bore, positive shutoff, a built-in pressure equalizing valve and integral flange studs.

Options

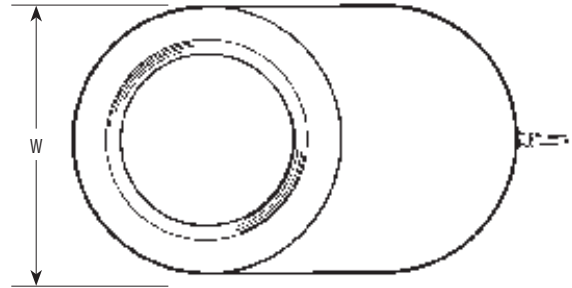
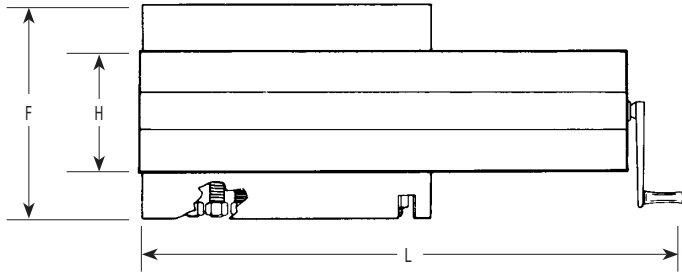
TDW is committed to providing you with the exact product to assist you in planning, budgeting and meeting the specifications for your individual application needs. The following options are available:

Sizes 4 in. (100 mm) through 22 in. (558 mm) are hand operated; 24 in. and larger valves are hydraulically operated.





SANDWICH® Valves



Class 300*

Size		Approx. Weight		W-Width		L-Open		L-Closed		H-Face to Face		F-Overall		Part Number
Inches	mm	Lb.	Kg.	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	
4**	100	153	69	10	254	20.62	524	20.62	524	4.25	108	9.25	235	09-0097-0000
6**	150	260	118	12.5	318	25	635	25	635	5.5	140	10.25	260	09-0077-0000
8**	200	415	188	15	381	29.5	749	29.5	749	5.86	149	11.14	283	09-0064-0000
10**	250	750	340	17.5	445	34.38	873	34.38	873	7	178	13	330	09-0106-0000
12**	300	1150	522	20.5	521	39.62	1006	39.62	1006	7.63	194	14.25	362	09-0066-0000

*Covers bolt pattern only. See Maximum Operating Pressures Chart.

**For use with 4- through 12-inch SHORTSTOPP® 500

Class 600*

Size		Approx. Weight		W-Width		L-Open		L-Closed		H-Face to Face		F-Overall		Part Number
Inches	mm	Lb.	Kg.	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	
4	100	177	80	10.75	273	21.38	543	21.38	543	5	127	10.75	273	09-0096-0000
6	150	450	204	14	356	26.14	664	26.14	664	6.5	165	13.5	343	09-0061-0000
8	200	630	286	16.5	419	34.62	880	34.62	880	9.19	234	17.25	438	09-0702-0000
10	250	1400	635	20	508	39.88	1013	39.88	1013	10.44	266	19.25	489	09-0703-0000
12	300	1900	862	22	559	44	1118	44	1118	11.31	288	20.50	521	09-0704-0000
16	400	3500	1588	27	686	49.88	1267	49.88	1267	13.06	332	23.40	595	09-0706-0000
18	450	4100	1860	29.25	743	54.13	1375	54.13	1375	13.88	353	25	635	09-0707-0000
20	500	5090	2309	32	813	58.88	1496	58.88	1496	14.94	379	26.50	673	09-0708-0000
22	550	6250	2835	34.25	870	63.75	1620	63.75	1620	16.09	409	28	712	09-0709-0000
24	600	8300	3765	37	940	107.13	2721	82	2721	17.38	442	30.50	775	09-0710-0000
26	650	8500	3856	40	1016	105	2667	78.25	1988	16.25	413	30	762	09-0858-0000
30	750	14000	6351	44.50	1131	128.50	3264	97.38	3264	20.94	532	36	915	08-0713-0000
36	900	20000	9072	51.75	1315	147.75	3753	110.62	3753	24.44	621	41	1042	09-0716-0000

*Covers bolt pattern only. See Maximum Operating Pressures Chart. Class 600 Sizes 8-36inch are compatible with NACE MRO 1-75 application.

IMPORTANT: Contact factory for bolt circle dimensions for sizes above 36 inch.

Maximum Operating Pressures

Class	DN	psi	bar
300	50	740	50
600	100	1480	102