



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

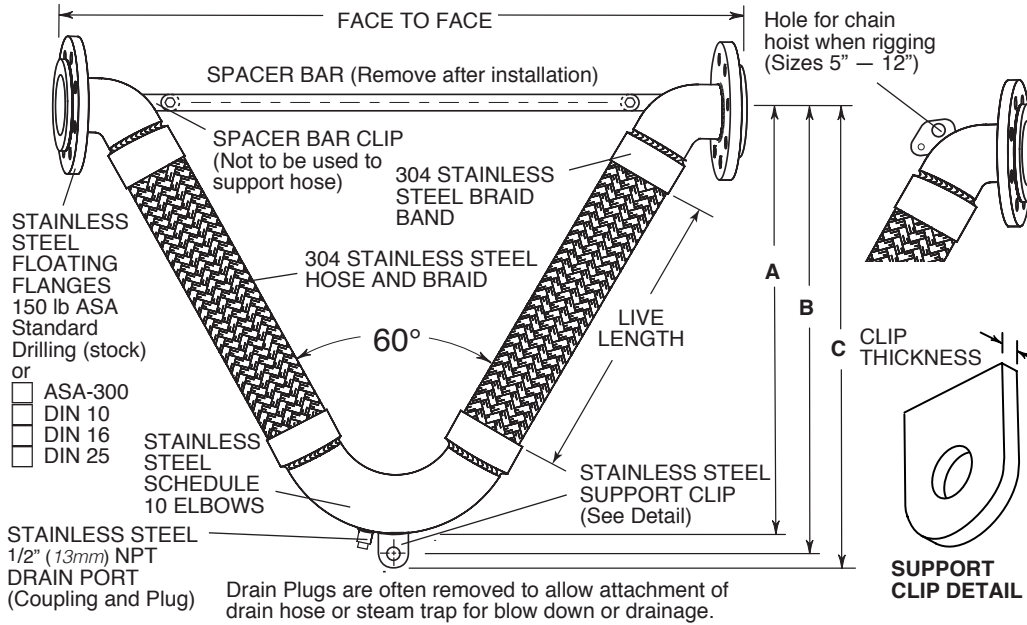
350 Rabro Drive, Hauppauge, NY 11788
Mason- 631/348-0282 • Info@Mason-Ind.com
Mercer- 631/582-1524 • Info@Mercer-Rubber.com
FAX 631/348-0279



JOB NAME _____
CUSTOMER _____
CUSTOMER P.O. _____
MASON M. _____
DWG No. _____

VFLSS

60Vee SS BRAIDED
HOSE with
STAINLESS STEEL
FLOATING FLANGES



STAINLESS STEEL PLATE FLANGES

Pipe Size (in)	Flange Thickness (in)
2 thru 4	5/8
5 thru 6	3/4
8 thru 12	1

STAINLESS STEEL SUPPORT CLIP

Pipe Size (in)	SUPPORT CLIP Hole Diameter (in)	Thickness (in)
2	5/8	1/8
2 1/2	5/8	1/8
3	3/4	1/8
4	3/4	1/8
5	3/4	1/4
6	7/8	3/8
8	7/8	1/2
10	1	1/2
12	1	1/2

RATED PRESSURES @ ELEVATED TEMPERATURES (psi) (kg/cm²)

Hose Size (in) (mm)	250°F 121°C Factor 0.92	350°F 176°C Factor 0.86	450°F 232°C Factor 0.81
2 50	330 23	310 21	290 20
2 1/2 65	270 19	250 17	235 16
3 80	260 18	240 16	230 16
4 100	210 15	200 14	190 13
5 125	190 13	180 12	170 11
6 150	190 13	180 12	170 11
8 200	190 13	180 12	170 11
10 250	160 11	150 10	140 9
12 300	160 11	150 10	140 9

SATURATED STEAM RECOMMENDED PRESSURE LIMITS

Size (in) (mm)	Max Gauge (psi) (kg/cm ²)	Temp Reference (F) (°C)
2 50	150 11	362 183
2 1/2 65	125 9	355 179
3 80	125 9	355 179
4 100	125 9	355 179
5 125	100 7	337 169
6 150	100 7	337 169
8 200	75 5	320 160
10 250	60 4	307 153
12 300	60 4	307 153

**Vacuum rating varies with size and application.
Consult factory on all vacuum applications.**

Our steam service ratings are very low in the interest of safety although our 70°F (21°C) pressure ratings are as high or higher than our competitors. All locations where failure could lead to personal injury or suffocation must be avoided. In dangerous locations we suggest housed expansion joints, solid loops, ball joints, packed devices etc. rather than thin walled flexible products regardless of manufacturer.

Consult factory with full location description as well as service conditions for higher pressure or temperature applications.

304 SS can be used up to 850°F (454°C) in applications such as engine exhaust.

When using VFLSS products in copper or brass water or steam systems, dielectric flanges must be used on each end to prevent leakage from galvanic action.

RATED MOVEMENTS

±4" (100mm) All Directional Seismic Movement
±6" (150mm) Guided Thermal Movement Only

VFLSS DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Pipe Size & Face to Face (in)	Live Length (in)	Corrugations per foot	A (in)	B (in)	C (in)	Rated Pressure @70°F (psi)
VFLSS	2 X 33	20	58	23 1/4	24 1/4	25	360
VFLSS	2 1/2 X 37	22	48	26	27	27 3/4	290
VFLSS	3 X 42	24	46	28 7/8	30 1/8	31 1/8	280
VFLSS	4 X 49	26	32	32 1/2	33 3/4	34 3/4	225
VFLSS	5 X 58	30	29	38	39 1/2	40 1/2	200
VFLSS	6 X 66	33	25	42 5/8	44 1/8	45 3/8	200
VFLSS	8 X 80	36	23	49 1/4	50 3/4	52	200
VFLSS	10 X 96	42	21	58 1/2	60 1/4	61 3/4	170
VFLSS	12 X 112	48	20	67 3/4	69 1/2	71	170

VFLSS DIMENSIONS AND PRESSURE RATINGS (Metric Units)

Type	Pipe Size & Face to Face (mm)	Live Length (mm)	Corrugations per meter	A (mm)	B (mm)	C (mm)	Rated Pressure @21°C (kg/cm ²)
VFLSS	50 X 838	508	190	591	616	635	25
VFLSS	65 X 940	559	157	660	686	705	20
VFLSS	80 X 1067	610	151	733	765	791	19
VFLSS	100 X 1245	660	105	826	857	883	16
VFLSS	125 X 1473	762	95	965	1003	1029	14
VFLSS	150 X 1676	838	82	1083	1121	1153	14
VFLSS	200 X 2032	914	75	1251	1289	1321	14
VFLSS	250 X 2438	1067	69	1486	1530	1568	12
VFLSS	300 X 2849	1219	66	1721	1765	1803	12

Face to Face Tolerance: minus 1% plus 3%. Minimum Burst is four times the Rated Pressure. Safety factor of 4. Size 12" (300mm) has double braid.

QTY	SIZE	TAG

QTY	SIZE	TAG

Certification Form S-5101 04/2016

DWN

CHKD

DATE

DWG No.