



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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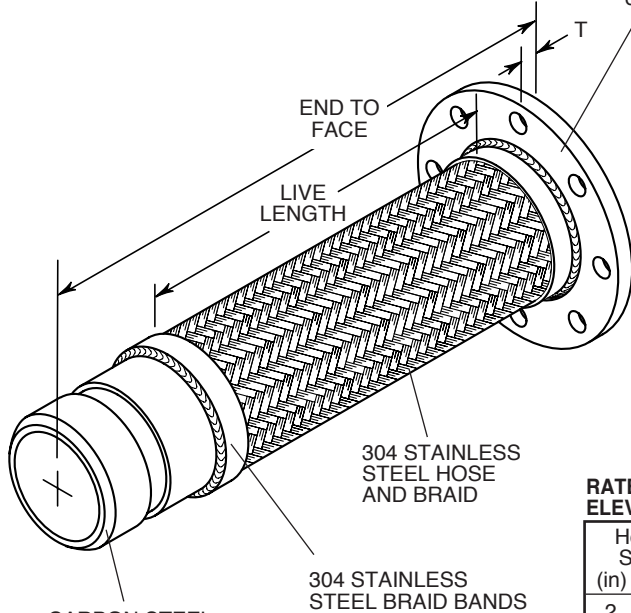


JOB NAME _____
CUSTOMER _____
CUSTOMER P.O. _____
MASON M. _____
DWG No. _____

GWNF

SS BRAIDED HOSE
with CARBON
STEEL GROOVED
WELD NIPPLE and
FIXED FLANGE

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



CARBON STEEL
RAISED FACE
FIXED FLANGE
150 lb ASA Drilling
or as checked below

☐ ASA-300 ☐ DIN 10
☐ DIN 16 ☐ DIN 25

CARBON STEEL PLATE FLANGE THICKNESS

Pipe Size (in)	Flange Thickness T (in) (mm)
2 thru 4	5/8 16
5 thru 6	3/4 19
8 thru 12	1 25

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 GWNF products in copper or brass water or steam systems, a dielectric flange must be used on the flanged end and a dielectric coupling on the nipple end to prevent leakage from galvanic action.

**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/cm²)	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

GWNF DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Pipe Size & End to Face (in)	Live Length (in)	Corru- gations per foot	Maximum Permanent Lateral Offset (in)	Rated Pressure @70°F (psi)
GWNF	2 X 13	91/8	58	1/4	360
GWNF	2 1/2 X 13	83/8	48	1/4	290
GWNF	3 X 13	83/8	46	1/4	280
GWNF	4 X 16	103/8	32	1/4	225
GWNF	5 X 18	121/4	29	1/4	200
GWNF	6 X 20	141/4	25	1/4	200
GWNF	8 X 22	16	23	1/4	200
GWNF	10 X 25	18	21	1/4	170
GWNF	12 X 27	20	20	1/4	170

GWNF DIMENSIONS AND PRESSURE RATINGS (Metric Units)

Type	Pipe Size & End to Face (mm)	Live Length (mm)	Corru- gations per meter	Maximum Permanent Lateral Offset (mm)	Rated Pressure @21°C (kg/cm²)
GWNF	50 X 330	232	190	6	25
GWNF	65 X 330	213	157	6	20
GWNF	80 X 330	213	151	6	19
GWNF	100 X 406	264	105	6	15
GWNF	125 X 457	311	95	6	14
GWNF	150 X 508	362	82	6	14
GWNF	200 X 559	406	75	6	14
GWNF	250 X 635	457	69	6	11
GWNF	300 X 686	508	69	6	11

End to Face Tolerance: minus 1% plus 3%. Minimum Burst is four times the Rated Pressure. Safety factor of 4.
Lateral Offset one side of centerline and normal machinery vibration. If intermittent in both directions, reduce by 50%.
Size 12" (300mm) has double braid.

QTY	SIZE	TAG

QTY	SIZE	TAG