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Survey of differences in flange/gasket dimensions for non-pressure cars.
One car manufacturer only.

Style	Manway			Gasket		
	# Bolts	Size	Grade	Thick	ID	OD
UTC-1	8	1"-8UNC-2A	A307, Gr. B	1/8	19 7/16	21 1/2
AAR-1	8	1"-8UNC-2A	A307, Gr. B	1/8	19 1/2	21 5/8
AAR-1	6	1"-8UNC-2A	A307, Gr. B	1/8	19 1/2	21 5/8

Fit. Assy. Flange						Gasket		
# Bolts	Size	Grade	B.C.	Nuts Grade	Flange	Thick	ID	OD
12	3/4-10UNC-2A	J429, GR. 5	17.5	A194, Gr. 2H	FF	1/8	15	16 3/4
12	3/4-10UNC-2A	J429, GR. 5	16.5	A194, Gr. 2H	FF	1/8	14	15 7/8
10	3/4-10UNC-2A	J429, GR. 5	12.5	A194, Gr. 2H	FF	1/8	10 3/4	11 3/4

Safety Valve						Gasket		
# Bolts	Size	Grade	B.C.	Nuts Grade	Flange	Thick	ID	OD
4	3/4-10UNC-2A	J429, GR. 5	6.25	A194, Gr. 2H	FF	1/8	3 5/8	5 1/2
8	5/8-11UNC-2A	J429, GR. 5	10.25	A194, Gr. 2	FF	1/8	7 3/8	8 3/8

Bottom Outlet Valve						Gasket		
# Bolts	Size	Grade	B.C.	Nuts Grade	Flange	Thick	ID	OD
8	3/4-10UNC-3A	A320, Gr. L7	10.625	A194, Gr. 2	TG	1/8	7 9/16	8 7/16

Bottom Outlet Nozzle						Gasket		
# Bolts	Size	Grade	B.C.	Nuts Grade	Flange	Thick	ID	OD
4	5/8-11UNC-2A	A307, Gr. B	9	A194, Gr. 2H	FF	1/8	6 1/2	8 3/8
4	5/8-11UNC-2A	A307, Gr. B	7.75	A194, Gr. 2H	FF	1/8	4 1/2	7 1/8
4	5/8-11UNC-2A	A307, Gr. B	9	A194, Gr. 2H	FF	1/8	5 1/2	6 1/2

Gauge Device						Gasket		
# Bolts	Size	Grade	B.C.	Nuts Grade	Flange	Thick	ID	OD
10	3/4-10UNC-2A	J429, GR. 5	12.5	A194, Gr. 2H	FF	1/8	10 3/4	11 3/4
4	3/4-10UNC-2A	A193, Gr. B7	4.125	A194, Gr. 2	FF	1/8	2 1/2	3 3/8

Note: In some cases gasket OD dimensions have been changed on FF flange so gasket can self-center between bolts.