

NOTICE OF
ADOPTION

ADOPTION NOTICE 1
10 JULY 1990 for
SAE J868
FEB 86

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The Society of Automotive Engineers
400 Commonwealth Drive
Warrendale, PA 15096

Title of Document: Large Size Radiator Filler Caps and Necks

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φ RADIATOR FILLER NECKS

Nom. Pressure Rating		F		G		H		I		J	
kPa	psi	mm	in	mm	in	mm	in	mm	in	mm	in
Small											
21-34	3-5	49.78-50.29	1.960-1.980	12.19-13.21	0.480-0.520	56.39-56.77	2.220-2.235	41.15-41.53	1.620-1.635	5.46-5.72	0.215-0.225
41-55	6-8	49.78-50.29	1.960-1.980	15.24-16.26	0.600-0.640	56.39-56.77	2.220-2.235	41.15-41.53	1.620-1.635	5.46-5.72	0.215-0.225
62-76	9-11	49.78-50.29	1.960-1.980	15.24-16.26	0.600-0.640	56.39-56.77	2.220-2.235	41.15-41.53	1.620-1.635	5.46-5.72	0.215-0.225
83-110	12-16	49.78-50.29	1.960-1.980	21.84-22.86	0.860-0.900	56.39-56.77	2.220-2.235	41.15-41.53	1.620-1.635	5.46-5.72	0.215-0.225
97-124	14-18	49.78-50.29	1.960-1.980	21.84-22.86	0.860-0.900	56.39-56.77	2.220-2.235	41.15-41.53	1.620-1.635	5.46-5.72	0.215-0.225
Medium											
21-34	3-5	61.72-62.23	2.430-2.450	12.70-13.72	0.500-0.540	68.33-68.71	2.690-2.705	54.10-54.48	2.130-2.145	5.46-5.72	0.215-0.225
41-55	6-8	61.72-62.23	2.430-2.450	18.29-19.30	0.720-0.760	68.33-68.71	2.690-2.705	54.10-54.48	2.130-2.145	5.46-5.72	0.215-0.225
62-76	9-11	61.72-62.23	2.430-2.450	18.29-19.30	0.720-0.760	68.33-68.71	2.690-2.705	54.10-54.48	2.130-2.145	5.46-5.72	0.215-0.225
83-110	12-16	61.72-62.23	2.430-2.450	22.61-23.11	0.890-0.910	68.33-68.71	2.690-2.705	54.10-54.48	2.130-2.145	5.46-5.72	0.215-0.225

Nom. Pressure Rating		K		L		M		N min		P min		R	
kPa	psi	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Small													
21-34	3-5	29.97-30.23	1.180-1.190	19.35-19.61	0.762-0.772	3.18-3.43	0.125-0.135	12.45	0.490	12.45	0.490	4.90-5.16	0.193-0.203
41-55	6-8	29.97-30.23	1.180-1.190	19.35-19.61	0.762-0.772	3.18-3.43	0.125-0.135	12.45	0.490	15.75	0.620	4.90-5.16	0.193-0.203
62-76	9-11	29.97-30.23	1.180-1.190	19.35-19.61	0.762-0.772	3.18-3.43	0.125-0.135	12.45	0.490	15.75	0.620	4.90-5.16	0.193-0.203
83-110	12-16	29.97-30.23	1.180-1.190	19.35-19.61	0.762-0.772	3.18-3.43	0.125-0.135	22.35	0.880	22.35	0.880	4.90-5.16	0.193-0.203
97-124	14-18	29.97-30.23	1.180-1.190	19.35-19.61	0.762-0.772	3.18-3.43	0.125-0.135	22.35	0.880	22.35	0.880	4.90-5.16	0.193-0.203
Medium													
21-34	3-5	42.29-42.55	1.665-1.675	18.67-18.92	0.735-0.745	3.18-3.43	0.125-0.135	10.67	0.420	10.67	0.420	4.90-5.16	0.193-0.203
41-55	6-8	42.29-42.55	1.665-1.675	18.67-18.92	0.735-0.745	3.18-3.43	0.125-0.135	17.02	0.670	17.02	0.670	4.90-5.16	0.193-0.203
62-76	9-11	42.29-42.55	1.665-1.675	18.67-18.92	0.735-0.745	3.18-3.43	0.125-0.135	17.02	0.670	17.02	0.670	4.90-5.16	0.193-0.203
83-110	12-16	42.29-42.55	1.665-1.675	18.67-18.92	0.735-0.745	3.18-3.43	0.125-0.135	22.35	0.880	22.35	0.880	4.90-5.16	0.193-0.203

φ LARGE SIZE RADIATOR FILLER CAPS AND NECKS—SAE J868 FEB86

SAE Recommended Practice

Report of the Engine Committee approved August 1964 and revised February 1986.

1. **Purpose**—The purpose of this recommended practice is to provide dimensions for a three can type radiator pressure cap and filler neck.

2. **Scope**—This recommended practice was developed primarily for marine and industrial type applications.

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