

Radiator Caps And Filler Necks — SAE J164 MAR82

SAE Standard
Completely Revised April 1982

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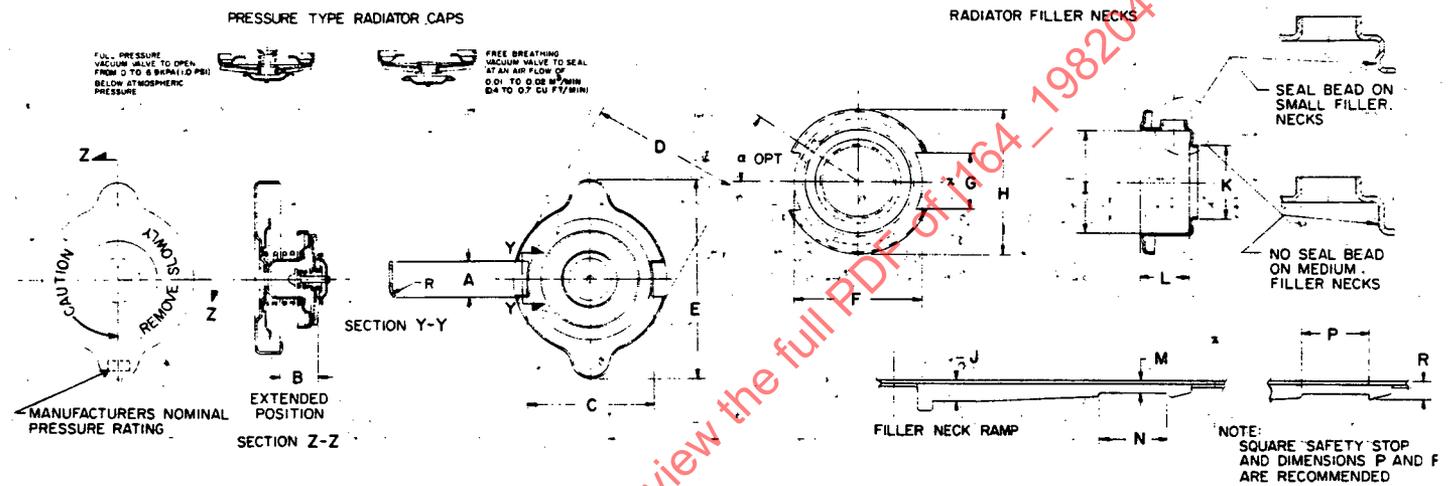
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Report of the Engine Committee, approved April 1970, last revised March 1982.

1. **Purpose**—The purpose of this standard is to provide dimensions for the different pressure ratings of radiator pressure caps and filler necks. Use of these dimensions will preclude the use of a high pressure rated cap on low pressure system. This standard will allow use of a low pressure rated cap on a nominal high pressure system. Design of some foreign

manufactured pressure caps and filler necks not made to this stand will allow the installation of a high pressure cap on a low pressure syst

2. **Scope**—This standard was developed primarily for passenger and truck application, but may be used in marine, industrial, and sim applications.



PRESSURE TYPE RADIATOR CAPS

Nom. Pressure Rating		A		B		C		D		E max	
kPa	psi	mm	in	mm	in	mm	in	mm	in	mm	in
Small											
21-34	3-5	10.92-11.94	0.430-0.470	14.73-15.62	0.580-0.615	50.80-52.32	2.000-2.060	57.15-57.79	2.250-2.275	80.26	3.160
41-55	6-8	14.22-15.24	0.560-0.600	14.73-15.62	0.580-0.615	50.80-52.32	2.000-2.060	57.15-57.79	2.250-2.275	80.26	3.160
62-76	9-11	14.22-15.24	0.560-0.600	14.73-15.62	0.580-0.615	50.80-52.32	2.000-2.060	57.15-57.79	2.250-2.275	80.26	3.160
83-110	12-16	20.83-21.84	0.820-0.860	14.73-15.62	0.580-0.615	50.80-52.32	2.000-2.060	57.15-57.79	2.250-2.275	80.26	3.160
97-124	14-18	20.83-21.84	0.820-0.860	14.73-15.62	0.580-0.615	50.80-52.32	2.000-2.060	57.15-57.79	2.250-2.275	80.26	3.160
Medium											
21-34	3-5	9.14-10.16	0.360-0.400	13.72-14.61	0.540-0.575	62.74-64.26	2.470-2.530	69.34-69.98	2.730-2.755	92.71	3.650
41-55	6-8	15.49-16.51	0.610-0.650	13.72-14.61	0.540-0.575	62.74-64.26	2.470-2.530	69.34-69.98	2.730-2.755	92.71	3.650
62-76	9-11	15.49-16.51	0.610-0.650	13.72-14.61	0.540-0.575	62.74-64.26	2.470-2.530	69.34-69.98	2.730-2.755	92.71	3.650
83-110	12-16	20.83-21.84	0.820-0.860	13.72-14.61	0.540-0.575	62.74-64.26	2.470-2.530	69.34-69.98	2.730-2.755	92.71	3.650