

Foam Chambers

Description

Foam Chambers are used to apply foam to the fuel surface inside large cone roof type flammable liquid storage tanks and can be used for top application to floating roof tanks. The Orion CRP range of foam chambers is designed to minimise the installation and service costs for these systems by appropriate choice of materials, surface finishes and our integral deflector design that makes installation easier. These features effectively lower the total cost of ownership.

The CRP range of foam chambers has four sizes and features:

- Steel construction, galvanised or epoxy paint finish and optional stainless steel construction,
- Integral deflector that fits through tank mounting flange,
- Vapour seal (Teflon or glass), glass is standard.
- Bolt on replacement for National Foam and Ansul foam chambers,
- Available without deflector when used for retrofitting to existing tanks with deflectors already installed.
- Stainless steel fasteners.



The CRP range of foam chambers is air aspirating foam devices with an operating pressure range of 275 kPa to over 700 kPa. Foam properties, when used with Orion foam concentrates, exceed the minimums required by international standards. Typical properties with AFFF are:

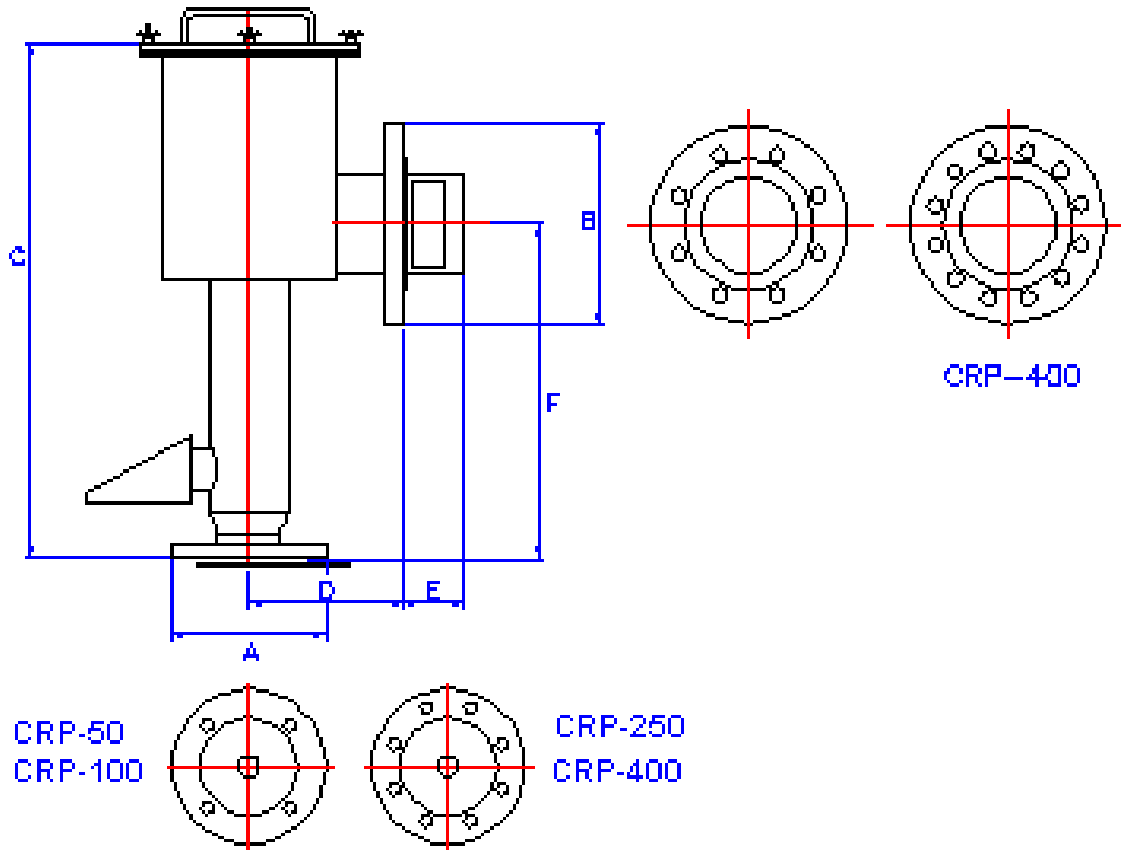
Expansion ratio	>6:1
25% drain time	>2 minutes 30 seconds

Specifications

	CRP-50	CRP-100	CRP-250	CRP-400
Min Flow	80	366	660	1450
Max Flow	600	1400	2500	4500

The Orion CRP range of foam chambers have a minimum operating pressure of 275 kPa and a maximum operating pressure of 700 kPa.

Foam chambers must be able to be tested in situ and test connections are available for the CRP foam chambers.



Models

DIMENSIONS	CRP-50	CRP-100	CRP-250	CRP-400
A	65 ASA 150	80 ASA 150	100 ASA 150	150 ASA 150
B	100 ASA 150	150 ASA 150	200 ASA 150	250 ASA 150
C	595	708	813	1002
D	176	215	254	302
E	70	100	120	150
F	389	498	529	646
Weight	32 kg	44 kg	66 kg	112 kg

ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

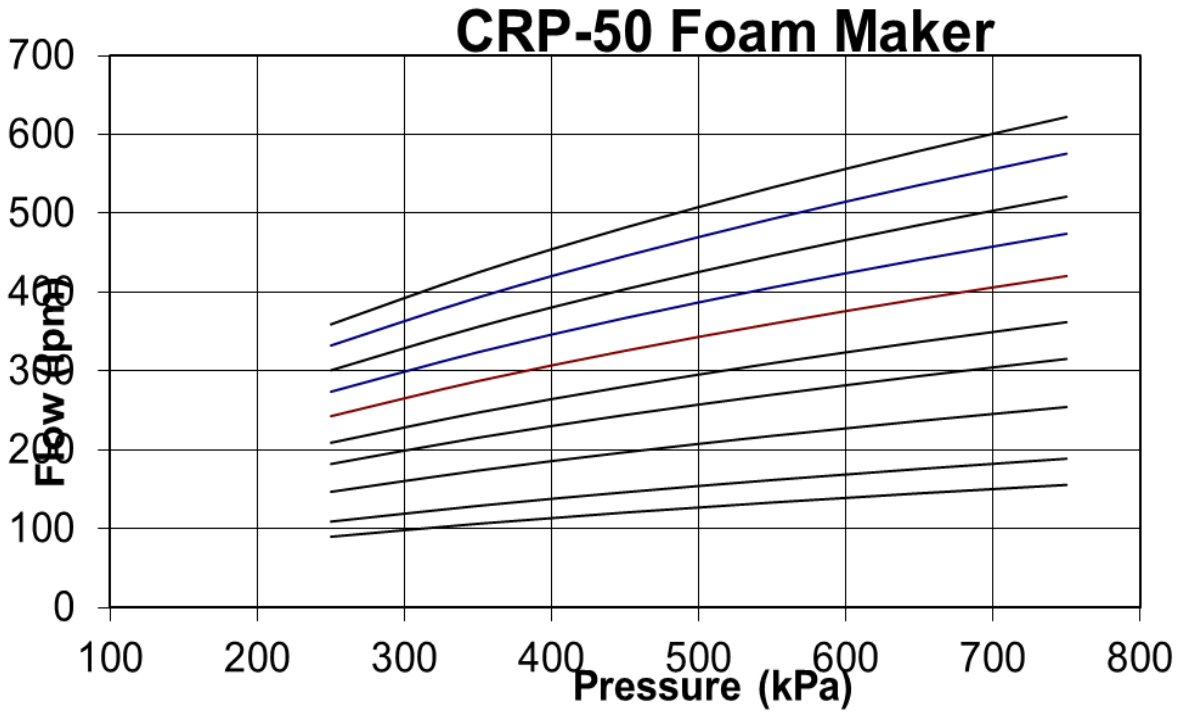
26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA

Tel (61) 2 9426 7900

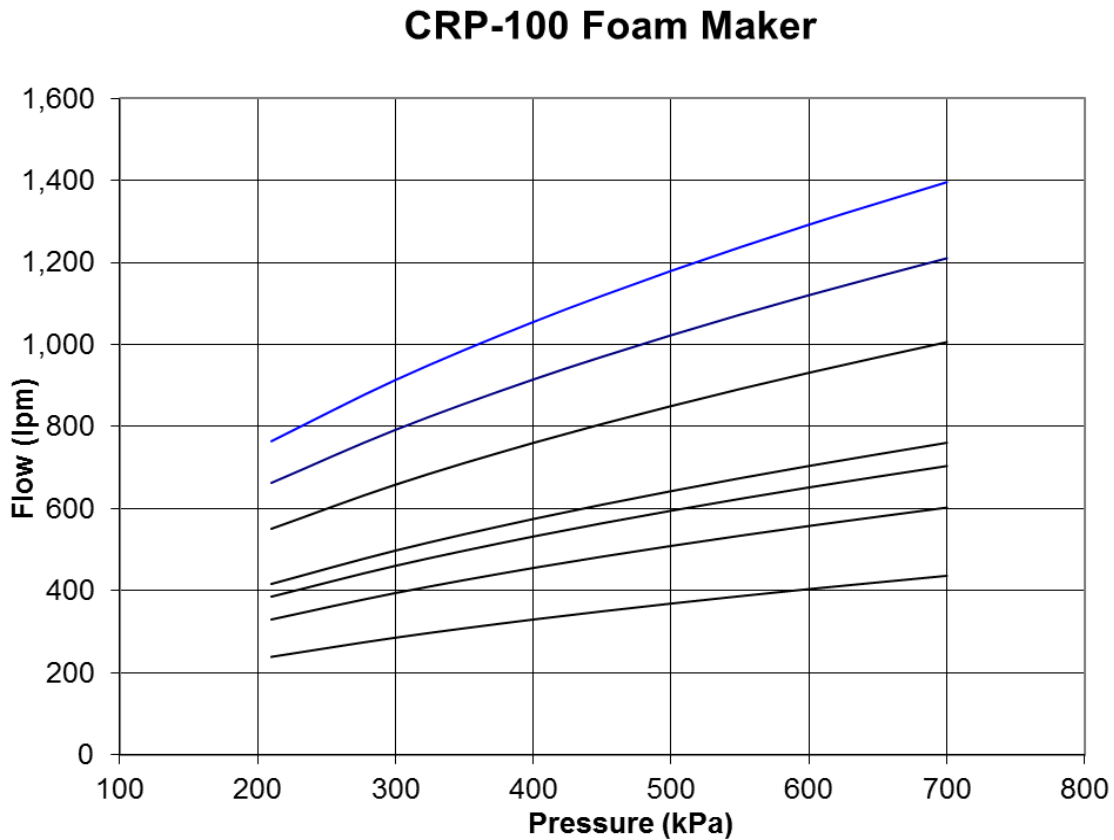
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Visit our Website www.orion-fire.com.au Email: sales@orion-fire.com.au

CRP-50 Flow Rates



CRP-100 Flow Rates



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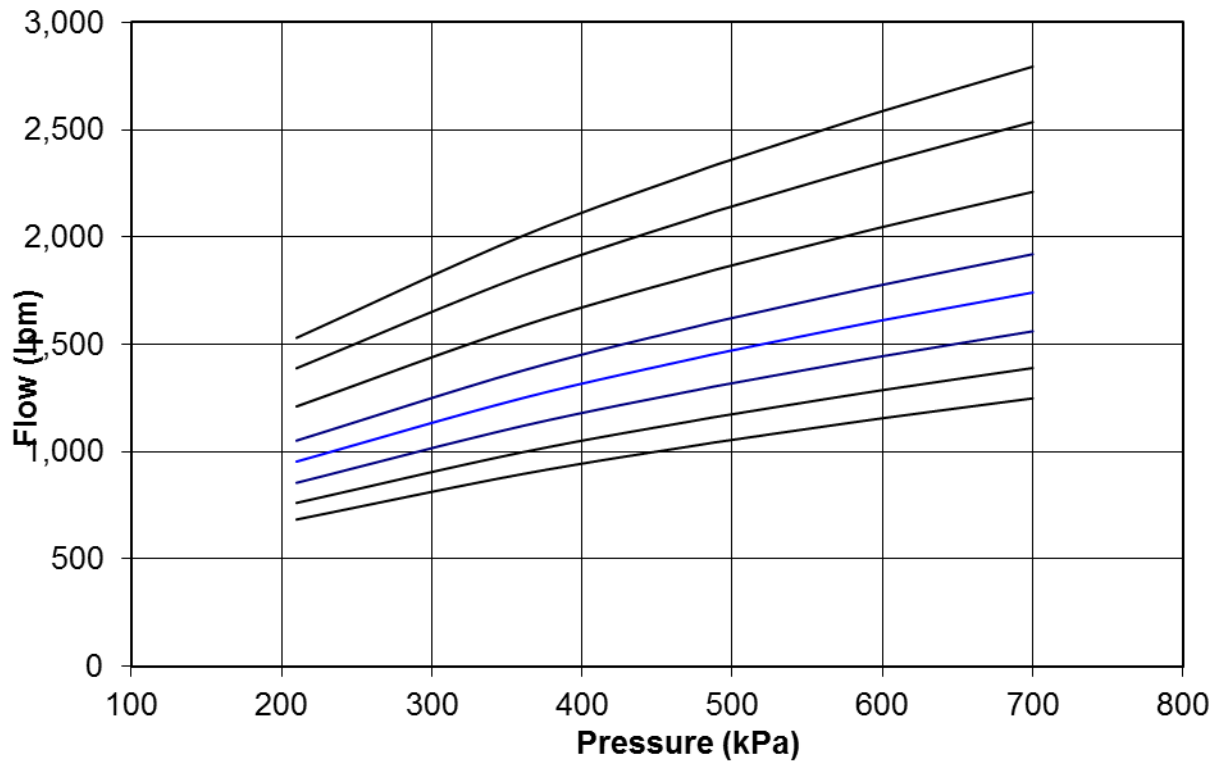
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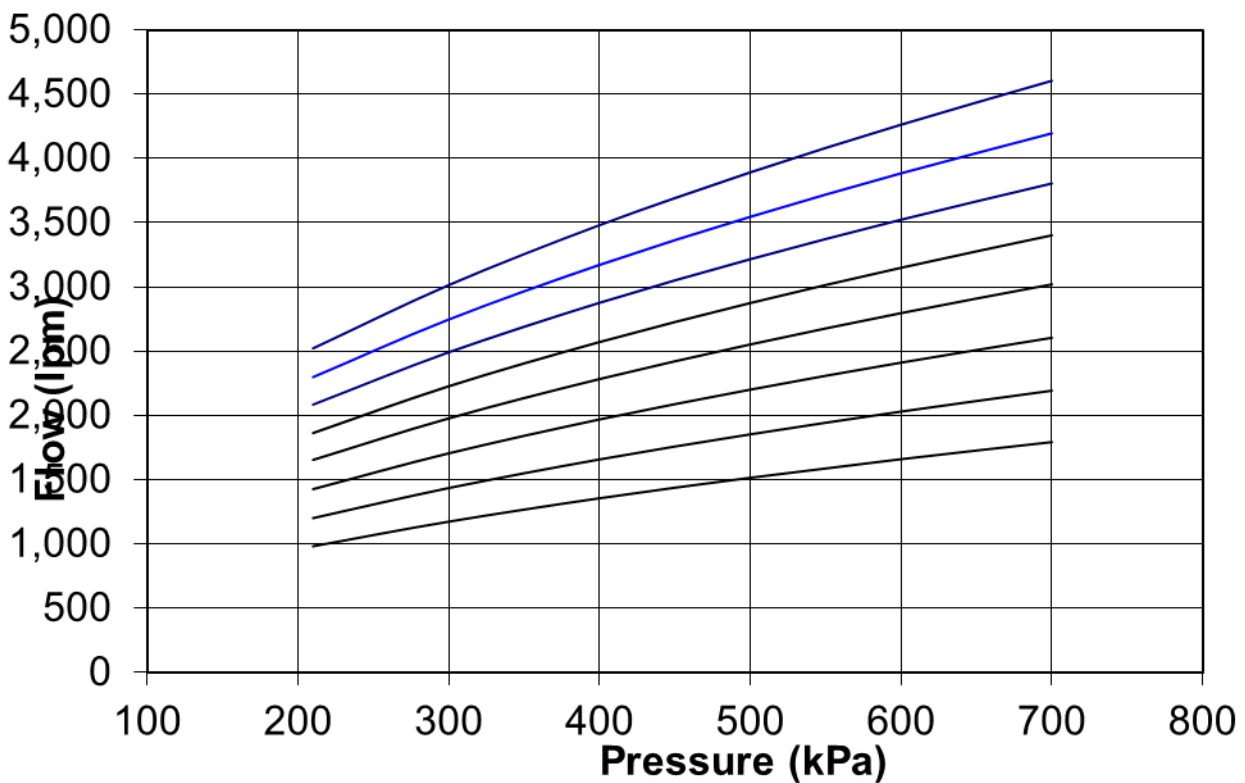
CRP-250 Flow Rates

CRP-250 Foam Maker



CRP-400 Flow Rates

CRP-400 Foam Maker



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Ordering Information

CRP-50		Part Numbers	
Model	K-Factor (lpm/kPa)	Painted	Galvanised
CRP-50-A	5.7	13261	15810
CRP-50-B	7.6	13263	15812
CRP-50-C	9.2	13265	15814
CRP-50-D	11.4	13267	15816
CRP-50-E	13.2	13269	15818
CRP-50-F	15.2	13271	15820
CRP-50-G	17.1	13273	15822
CRP-50-H	19.0	13275	15824
CRP-50-I	20.9	13277	15826
CRP-50-J	22.8	13279	15828

CRP-100		Part Numbers	
Model	K-Factor (lpm/kPa)	Painted	Galvanised
CRP-100-A	22.8	14329	13369
CRP-100-B	25.9	14331	13371
CRP-100-C	29.2	14333	13373
CRP-100-D	33.8	14335	13375
CRP-100-E	37.5	14337	13377
CRP-100-F	42.8	14339	13379
CRP-100-G	48.4	14341	13381

CRP-250		Part Numbers	
Model	K-Factor (lpm/kPa)	Painted	Galvanised
CRP-250-A	47.2	12975	14361
CRP-250-B	52.5	12977	14363
CRP-250-C	59.0	12979	14365
CRP-250-D	65.8	12981	14367
CRP-250-E	72.6	12983	14369
CRP-250-F	83.6	12985	14371
CRP-250-G	95.8	12987	14373

CRP-400		Part Numbers	
Model	K-Factor (lpm/kPa)	Painted	Galvanised
CRP-400-A	95.2	15366	13032
CRP-400-B	107.8	15368	13034
CRP-400-C	116.6	15370	13036
CRP-400-D	125.7	15372	13038
CRP-400-E	140.1	15374	13040
CRP-400-F	155.2	15376	13042
CRP-400-G	171.1	15378	13044

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