



Certificate of Compliance

This certificate is issued for the following:

**CENTRIFUGAL FIRE PUMPS
(VERTICAL SHAFT, TURBINE TYPE)**

Prepared for:

**S.A. Armstrong Ltd.
23 Bertrand Ave
Scarborough, Ontario M1L2P3
Canada**

FM Approvals Class: 1312

The pumps listed herein are FM Approved as of December 17, 2013

To verify the future Approval status of these products, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, appearing to read 'Richard B. Dunne', is written over a white rectangular background.

Richard B. Dunne
Group Manager-Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062

December 17, 2013

Date



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Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min	Stage(s)
4 x 8H VTF	250	945	60-189	415-1305	1770	-
6 x 10H VTF	500	1895	65-168	450-1160	1770	-
8 x 12M VTF	750	2840	69-479	475-3305	1770	-
8 x 14M VTF	1000	3785	66-229	455-1580	1770	-
8 x 12H VTF	1500	5680	73-310	505-2135	1770	-
10 x 15H VTF	2000	7570	63-210	434-1448	1770	-
10 x 16M VTF	2500	9465	65-222	450-1530	1770	-
12 x 18L VTF*	3000	11,355	96-225	660-1550	1770	-
12 x 18M VTF†	3500	13,250	112-192	770-1325	1770	-
14 x 19M VTF§	3500	13,250	114-277	785-1910	1770	2-4
14 x 19H VTF§	4000	15,140	62-291	425-2005	1770	1-2
14 x 19M VTF§	4000	15,140	107-258	740-1780	1770	2-4
14 x 19H VTF††, **††, **	4500	17,035	121	835	1750	2
14 x 19H VTF§	4500	17,030	60-277	415-1910	1770	1-4
14 x 19M VTF§	4500	17,030	105-244	725-1680	1770	2-4
14 x 19H VTF#	5000	18,925	59-267	405-1840	1770	1-4

Min submergence: 96 in. (2440 mm).

§ Min submergence: 42 in. (1065 mm).

† Min submergence: 47 in. (1194 mm).

†† Available only with special materials for use in nonpotable water applications.

‡ Min submergence: 48 in. (1220 mm).

* Min submergence: 71 in. (1803 mm).

** Min submergence: 33 in. (840 mm).



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