



Certificate of Compliance

This certificate is issued for the following:

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

Prepared for:

**PATTERSON PUMP IRELAND LIMITED
UNIT 1, IDA ARDMORE BUSINESS & TECHNOLOGY PARK
MARLINSTOWN, MULLINGAR, CO.
WESTMEATH, IRELAND**

FM Approvals Class: 1312

The pumps listed herein are FM Approved as of November 16, 2016

To verify the product continues to be Approved 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 that reads 'D.B. Fuller'.

David B. Fuller
AVP - Manager of Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062 USA



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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	Manufacturer's Size, in.	Manufacturer's Size, mm	Stage(s)
PVT-12DHC-FP	500	1895	41-266	285-1835	1450	12	300	3-11
PVT-12DHC-FP	500	1895	43-277	295-1910	1475	12	300	3-11
PVT-12DMC-FP	500	1895	58-323	400-2225	1750	12	300	3-11
PVT-12DMC-FP	500	1895	59-333	405-2295	1770	12	300	3-11
PVT-13GLC-FP	750	2840	41-186	285-1280	1450	13		3-8
PVT-13GLC-FP	750	2840	42-263	290-1820	1475	13	330	3-12
PVT-13GHC-FP	750	2840	44-199	305-1370	1450	13		3-8
PVT-13GHC-FP	750	2840	46-305	315-2105	1475	13		3-12
PVT-13GLC-FP	750	2840	65-283	450-1950	1750	13		3-8
PVT-13GLC-FP	750	2840	67-403	460-2785	1770	13	330	3-12
PVT-12DHC-FP	750	2840	83-100	570-690	1770	12	300	3
PVT-12DHC-FP	750	2840	110-134	760-925	1770	12	300	4
PVT-12DHC-FP	750	2840	137-368	945-2535	1770	12	300	5-11
PVT-13GHC-FP	1000	3785	44-272	305-1875	1475	13		3-12
PVT-14JMC-FP	1000	3785	47-182	325-1255	1450	14		3-8
PVT-14JMC-FP	1000	3785	49-189	340-1305	1475	14		3-8
PVT-13GLC-FP	1000	3785	77-256	530-1765	1750	13		3-8
PVT-13GLC-FP	1000	3785	80-360	550-2840	1770	13		3-12
PVT-17JMC-FP [†]	1250	4730	45-200	310-1380	1450	17		2-5
PVT-17JMC-FP [†]	1250	4730	47-207	325-1425	1475	17		2-5
PVT-13GHC-FP	1250	4730	75-256	515-1765	1750	13		3-8
PVT-13GHC-FP	1250	4730	78-403	540-2780	1770	13		3-12
PVT-17JMC-FP [†]	1500	5680	44-190	305-1310	1450	17		2-5
PVT-17JMC-FP [†]	1500	5680	45-200	310-1380	1475	17		2-5
PVT-14JMC-FP	1500	5680	71-240	490-1655	1750	14		3-8
PVT-14JMC-FP	1500	5680	73-247	505-1705	1770	14		3-8
PVT-17JHC-FP ^{†,*}	2000	7570	45-190	310-1310	1450	17		2-5
PVT-17JHC-FP ^{†,*}	2000	7570	47-197	325-1360	1475	17		2-5
PVT-17JMC-FP [†]	2000	7570	62-273	430-1880	1750	17		2-5
PVT-17JMC-FP [†]	2000	7570	64-281	440-1930	1770	17		2-5
PVT-18KMC-FP [†]	2500	9465	57-181	395-1250	1450	18	455	2-4
PVT-18KMC-FP [†]	2500	9465	60-189	415-1305	1475	18	455	2-4
PVT-17JHC-FP ^{†,*}	2500	9465	65-273	450-1880	1750	17		2-5
PVT-17JHC-FP ^{†,*}	2500	9465	67-280	460-1930	1770	17		2-5



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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	Manufacturer's Size, in.	Manufacturer's Size, mm	Stage(s)
PVT-18KMC-FP*	3000	11,355	53-173	365-1195	1450	18	455	2-4
PVT-18KMC-FP*	3000	11,355	55-180	380-1240	1475	18	455	2-4
PVT-18KMC-FP*	3000	11,355	54-204	370-1405	1750	18		2-3
PVT-18KMC-FP*	3000	11,355	55-208	380-1435	1770	18		2-3
PVT-19RMC-FP	3500	13,250	52-122	360-840	1450	19		2-3
PVT-19RMC-FP	3500	13,250	55-126	380-870	1475	19		2-3
PVT-18KMC-FP*	3500	13,250	104-192	715-1325	1750	18		2-3
PVT-18KMC-FP*	3500	13,250	107-197	740-1360	1770	18		2-3
PVT-19RMC-FP	4000	15,140	76-178	525-1225	1750	19		2-3
PVT-19RMC-FP	4000	15,140	78-182	540-1225	1770	19		2-3
PVT-21JHC-FP	4000	15,140	78-185	540-1275	1470	21	535	2-3
PVT-21RHC-FP*	4000	15,140	74-212	510-1460	1475	21	535	2-4
PVT-21RHC-FP†,*	4000	15,140	74-273	510-1880	1475	21	535	2-5
PVT-21RHC-FP†,*	4000	15,140	77-283	530-1950	1500	21	535	2-5
PVT-21JHC-FP	4500	17,035	115-177	795-1220	1770	21	535	2
PVT-21RHC-FP*	4500	17,035	70-206	485-1420	1475	21	535	2-4
PVT-21RHC-FP†,*	4500	17,035	70-265	485-1825	1475	21	535	2-5
PVT-21RHC-FP†,*	4500	17,035	74-273	510-1880	1500	21	535	2-5
PVT-21JHC-FP	5000	18,925	108-160	745-1105	1770	21	535	2
PVT-21RHC-FP*	5000	18,925	68-200	470-1380	1475	21	535	2-4
PVT-21RHC-FP†,*	5000	18,925	68-255	470-1760	1475	21	535	2-5
PVT-21RHC-FP†,*	5000	18,925	71-265	490-1825	1500	21	535	2-5
PVT-13GHC-FP	1000	3785	82-440	565-3035	1770	13		3-12

† Fifth stage available in Stainless Steel only.

‡ Available with below grade discharge head.

* Pump available with special materials for use in non-portable water applications.



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