



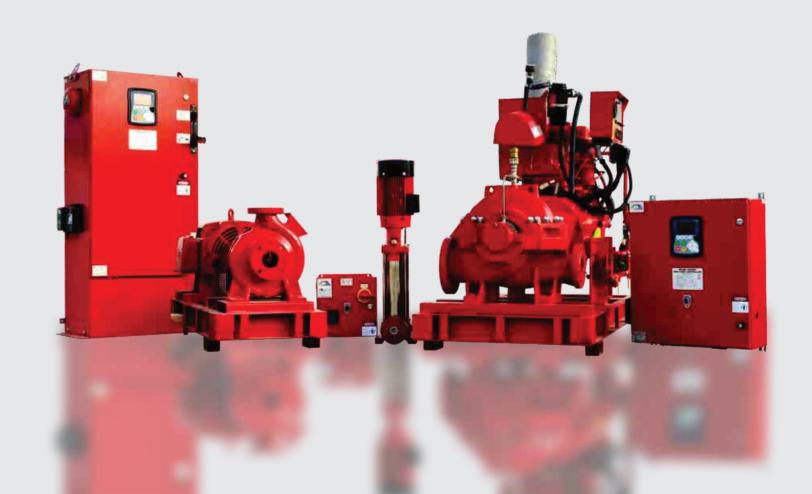




FIRE PUMP SINGAPORE PTE LTD

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ABOUT FIRE PUMP SINGAPORE (FPS)

FPS, with it's 20 years of experience has always been a progressive organization that has remained in the forefront of the Fire Fighting Industry with innovative, unconventional, environmental friendly, re-engineered and unique products.

FPS in its state-of-the-art manufacturing plants in **China** works in close connections with renowned governmental and certification bodies to provide key answers to the challenges faced by the society.

FPS brings together over 2-Decades of expertise and experience in form of Design, Consultancy, Manufacturing, Supply, Installation, Testing, Commissioning, Maintenance & Refurbishment of fire protection and fire fighting systems.





FPS CERTIFIED FACILITY FOR FIRE PUMP SYSTEMS

TESTING FACILITY AND ASSEMBLY LINE

FPS has established a fully equipped AS2941 Pump Testing facility with advance testing and calibration devices that enable to accurately inspect and test the operation of each Centrifugal Stationery Fire Pump to the required level of compliance standard as per AS2941.

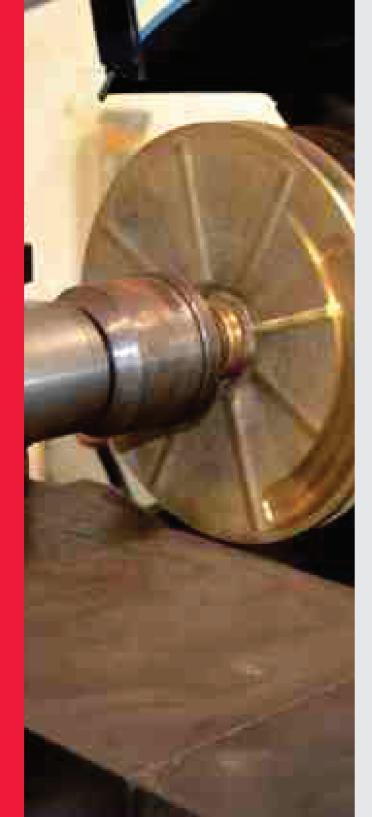
The Fire Pumps then undergo various processes in our modern well organized manufacturing and assembly line.

Before delivering to our customers, each pump undergoes necessary inspection, tests and production control, during the Assembly process, for which all records are maintained.

PERFORMANCE TESTS

Performance curves are plotted within the FPS AS2941 **Approved Pump Testing** Facility showing the Efficiency, Break-Horsepower(kw), and Total Head developed at shutoff, at rated capacity, at 150% of rated capacity, and at selected intermediate capacities between shutoff and maximum capacities exceeding 150% of rated capacity.





FPS CERTIFIED FACILITY FOR FIRE PUMP SYSTEMS

HYDROSTATIC TEST

Each pump is to be tested hydro-statically for not less than 5 minutes. The test pressure is to be up to 2 times the maximum working pressure of the pump, but in no case less than 250psi (1724 kPa) to ensure no rupture or leakage through the castings at the test pressure.

IMPELLER BALANCING

The impellers of each pump shall be dynamically balanced to the G6.3 balance quality grade in accordance with the requirements for pump impellers in the Standard for Mechanical Vibration -Balance Quality.





DESIGN & OPERATION FEATURES

Type FPQW submersible sewage pump is newly developed on the basis of the advanced technology from international. It is used for industry and commerce, the living area, urban sewage treatment plant, waterworks, civil air-defense construction, hospital, hotel and so on. They can also be used in public works, explore, country methane, irrigation, deliver water with impurity. The flow-rate range of the delivery water is 7-10000m3/h, lift range is 7-60m, power range is 0.55-315KW, caliber range is ϕ 25- ϕ 700 mm.



DESIGN & OPERATION FEATURES

- 1. Type FPQW Submersible Sewage Pump adopt particular single blade or double blade, advance the ability for get across feculence. Fibre about 5 times as pump caliber can across.
- 2. Mechanical seal adopt fresh model cemented carbide rot-proof material, and at the same time, we improved on the airproof to the single-ended double-face mechanical seal, let them work in oil chamber for a long period of time.
- 3. The whole structure is compact, volume is small, little noise and the energy saving result was apparent. The machine needn't pump room .lt can work just dinning into water, so reduce project cost.
- 4. The seal oil-room has high precision and anti-interference water leakage, testing detector. The pre-cast thermo-sensitive element is in stator winding, it can protect motor.
- 5. According to need, we can equip safety protection control cupboard to protect the pump, advanced the safety and reliability.
- 6. The float switch can control automatically, do not need specially-assigned person. It's very convenient.
- 7. According to need, we can equip automatic coupler installation system. So people needn't get into the drainage ditch.
- 8. Can be used in all the range of lift and it won't overload.
- 9. There are two different install way, fixed type automatic installation system and movable type automatic installation system.



NOMENCLATURE

100FPQW100 - 15 - 7.5

100 - pump outlet diameter (100m)

FP - made in Fire Pump Singapore Pte Ltd

QW - type submersible pump

100 - capacity 100m3/h

15 - head (15m)

7.5 - motor power (7.5 kW)



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Туре	mm	Q m³/h	m H	n r/min	N kW	η %	kg
25FPQW8-22-1.1	Ф25	8	22	2900	1.1	38	42
32FPQW12-12-1.1	Ф32	12	15	2900	1.1	40	42
40FPQW15-15-1.5	Φ40	15	15	2900	1.5	45	52
40FPQW15-30-1.5	Φ40	15	30	2900	2.2	45	55
50FPQW20-7-0.75	Ф 50	20	7	2900	0.75	54	50
50FPQW20-10-0.75	Φ 50	10	10	2900	0.75	56	50



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Туре	mm	Q m³/h	H m	n r/min	N kW	η %	kg
50FPQW25-10-1.5	Ф 50	25	10	2900	1.5	56	60
50FPQW20-15-1.5	Φ 50	20	15	2900	1.5	55	55
50FPQW27-15-2.2	Φ 50	27	15	2900	2.2	56	60
50FPQW25-25-2.2	Ф 50	15	25	2900	2.2	56	60
50FPQW18-30-0.3	Φ 50	18	30	2900	3.0	58	70
50FPQW24-20-4.0	Ф 50	24	20	2900	4.0	60	85
50FPQW25-32-5.5	Φ 50	25	32	2900	5.5	53	100
50FPQW30-30-7.5	Ф 50	30	30	2900	7.5	56	110



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Туре	mm	Q m³/h	H m	n r/min	N kW	η %	kg
50FPQW20-40-7.5	Ф 50	20	40	2900	7.5	55	110
65FPQW42-9-2.2	Ф 65	42	9	2900	2.2	56	60
65FPQW25-15-2.2	Φ65	25	15	2900	2.2	52	60
65FPQW42-9-2.2	Φ65	42	9	2900	2.2	56	60
65FPQW25-5-2.2	Φ65	25	15	2900	2.2	52	60
65FPQW37-13-3.0	Φ65	37	13	2900	3.0	55	70
65FPQW25-30-4.0	Ф65	25	30	2900	3.0	58	85



Para	Outlet Dia	Capacity	Head H	Speed n	Power N	Eff.	Weight
Туре	mm	m³/h	m	r/min	kW	%	kg
65FPQW40-30-7.5	Ф65	40	30	2900	7.5	58	110
65FPQW30-40-7.5	Ф 65	30	40	2900	7.5	56	110
65FPQW35-50-11	Φ65	35	50	2900	11	60	200
65FPQW35-60-15	Φ65	35	60	2900	15	63	230
80FPQW40-7-2.2	Ф80	40	7	1450	2.2	52	75
80FPQW30-8-2.2	Ф80	30	8	1450	2.2	40	75
80FPQW50-10-3	Ф80	50	10	2900	3.0	58	85
80FPQW43-13-3	Φ80	43	13	2900	3.0	50	85



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Type		Q37b	H	n -/i	N	η	1
1)[1]	mm	m³/h	m	r/min	kW	%	kg
80FPQW60-13-4	Φ80	60	13	2900	4.0	65	90
80FPQW40-15-4	Φ80	40	15	2900	4.0	57	90
80FPQW80-15-7.5	Φ80	80	15	2900	7.5	71	135
80FPQW65-25-7.5	Φ80	65	25	2900	7.5	56	135
100FPQW100-7-4	Ф100	100	7	1450	4.0	72.5	130
100FPQW80-10-4	Ф100	80	10	1450	4.0	62	130
100FPQW-110-10-5.	Ф100	110	10	1450	5.5	66	155



Para	Outlet Dia	Capacity	Head H	Speed n	Power N	Eff.	Weight
Туре	mm	m³/h	m	r/min	kW	%	kg
100FPQW65-15-5.5	Ф100	65	15	1450	5.5	59	150
100FPQW100-15-7.5	Ф100	100	15	1450	7.5	67	170
100FPQW85-20-7.5	Ф100	85	20	1450	7.5	68	170
100FPQW50-22-7.5	Ф100	50	22	1450	7.5	63	170
100FPQW100-25-11	Ф100	100	25	1450	11	66	270
100FPQW70-22-11	Ф100	70	22	1450	11	59	270
100FPQW50-35-11	Ф100	50	35	1450	11	67	270
100FPQW87-28-15	Ф100	87	28	1450	15	68	300



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Type	mm	Q m³/h	H m	n r/min	N kW	η %	kg
100FPQW100-30-15	Ф100	100	30	1450	15	63	300
100FPQW100-35-18.	Ф100	100	35	1450	18.5	65	300
125FPQW130-15-11	Ф125	130	15	1450	11	62	320
125FPQW130-20-15	Ф125	130	20	1450	15	63	330
150FPQW140-7-7.5	Ф150	140	7	1450	5.5	72	180
150FPQW120-10-5.5	Ф150	120	10	1450	5.5	70	180
150FPQW210-7-7.5	Ф150	210	7	1450	7.5	75	190



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Type	mm	Q m³/h	H m	n r/min	N kW	η %	kg
150FPQW145-9-7.5	Ф150	145	9	1450	7.5	63	190
150FPQW110-15-7.5	Ф150	110	15	1450	7.5	72	190
150FPQW200-10-15	Ф150	200	10	1450	15	64	300
150FPQW180-15-15	Ф150	180	15	1450	15	65	300
150FPQW140-18-15	Ф150	140	18	1450	15	65	300
150FPQW200-15-18.	Ф150	200	14	1450	18.5	68	400
150FPQW180-20-18.	Ф150	180	20	1450	18.5	68	400
150FPQW150-25-18.	Ф150	150	25	1450	18.5	68	400



Para	Outlet Dia	Capacity	Head H	Speed	Power N	Eff.	Weight
Туре	mm	Q m³/h	m	n r/min	kW	η %	kg
150FPQW200-22-2	Ф150	200	22	1450	22	73	430
150FPQW180-25-22	Ф150	180	25	1450	22	76	430
150FPQW130-30-22	Ф150	130	30	1450	22	75	430
150FPQW250-22-30	Ф150	250	22	1450	30	73	500
150FPQW180-30-30	Ф150	10	30	1450	30	73	500
150FPQW200-30-37	Ф150	200	30	1450	37	70	600
150FPQW150-35-37	Ф150	200	35	1450	37	63	600



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
		Q	Н	n	N	η	Weight
Туре	mm	m³/h	m	r/min	kW	%	kg
150FPQW160-45-37	Ф150	160	45	1450	37	65	600
200FPQW360-6-11	Ф200	360	6	980	11	72	450
200FPQW300-70-11	Ф200	300	7	980	11	73	450
200FPQW400-7-15	Ф 200	700	7	980	15	78	480
200FPQW250-11-15	Ф200	250	11	980	15	74	480
200FPQW300-10-18.	Ф200	300	10	1450	18.5	72	480
200FPQW250-15-18.	Ф200	250	15	1450	18.5	72	480
200FPQW400-10-22	Ф200	400	10	1450	22	76	500



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Туре	mm	Q m³/h	H m	n r/min	N kW	η %	kg
200FPQW310-13-22	Ф200	310	13	1450	22	62	500
200FPQW300-15-22	Ф 200	300	15	1450	22	73	500
200FPQW400-13-30	Ф200	400	13	1450	30	73	650
200FPQW360-15-30	Ф200	360	15	1450	30	75	650
200FPQW250-22-30	Ф200	250	22	1450	30	71	680
200FPQW350-25-37	Ф200	350	25	1450	37	75	800
200FPQW400-25-45	Ф 200	400	25	1450	45	75	920



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
		Q	H	n	N	η	
Туре	mm	m^3/h	m	r/min	kW	%	kg
200FPQW380-28-45	Ф 200	380	28	1450	45	70	920
200FPQW250-35-45	Ф 200	250	35	1450	45	69	920
200FPQW400-30-55	Ф 200	400	30	1450	55	70	1000
200FPQW250-40-55	Ф 200	250	40	1450	55	69	1000
200FPQW350-40-75	Ф200	350	40	1450	75	68	1050
250FPQW600-9-30	Ф 250	600	9	980	30	74	850
250FPQW500-10-30	Ф 250	500	10	980	30	71	850
250FPQW700-10-37	Ф250	700	10	1450	37	81	850



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
		Q	Н	n	N	η	Weight
Туре	mm	m³/h	m	r/min	kW	%	kg
250FPQW600-12-37	Ф 250	600	12	1450	37	78	850
250FPQW600-15-45	Ф250	600	15	1450	45	75	950
250FPQW600-20-55	Ф250	600	20	1450	55	73	1300
250FPQW700-20-75	Ф 250	700	20	1450	75	78	1500
250FPQW600-25-75	Ф250	600	25	1450	75	73	1500
250FPQW600-30-90	Ф250	600	30	1450	90	72	1600
300FPQW900-8-37	Ф300	900	8	980	37	81	1380



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Type	mm	Q m³/h	H m	n r/min	N kW	η %	kg
300FPQW800-12-45	Ф300	800	12	980	45	76	1500
300FPQW500-15-45	Ф300	500	15	980	45	70	1500
300FPQW800-15-55	Ф300	800	15	980	55	73	1550
300FPQW600-20-55	Ф300	600	20	980	55	75	1550
300FPQW800-20-75	Ф300	800	20	980	75	78	1600
300FPQW950-20-90	Ф300	950	20	980	90	80	1700
300FPQW1000-25-1 10	Ф300	1000	25	1450	110	82	2000
300FPQW800-32-11 0	Ф300	800	32	1450	110	76	2000



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Туре		Q	Н	n	N	η	
2)40	mm	m³/h	m	r/min	kW	%	kg
300FPQW800-36-13 2	Ф300	800	36	1450	132	76	2000
350FPQW1200-8-45	Ф350	1200	8	980	45	84	1350
350FPQW1100-10-5	Ф350	1100	10	980	55	84	1380
350FPQW1300-12-7 5	Ф350	1300	12	980	75	83	1450
350FPQW1500-15-9 0	Ф350	1500	15	980	90	82	2000
350FPQW1200-18-9 0	Ф350	1200	18	980	90	83	2000
350FPQW1100-28-1	Ф350	1100	28	740	132	83	2520



Para	Outlet Dia	Capacity	Head H	Speed	Power N	Eff.	Weight
Type	mm	Q m³/h	m	n r/min	kW	η %	kg
350FPQW1100-36-1 60	Ф350	1000	36	740	160	78.5	2880
400FPQW1760-7.5-5	Ф400	1760	7.5	580	55	82.3	2000
400FPQW1300-10-5 5	Ф400	1300	10	580	55	82	2000
400FPQW2600-6-75	Ф400	2600	6	740	75	78	1750
400FPQW1500-10-7	Ф400	1500	10	980	75	82.1	1750
400FPQW2200-9-11 0	Ф400	2200	9	980	110	80	2100
400FPQW2000-15-1 32	Ф400	2000	15	740	132	82.5	2520
400FPQW1600-20-1 32	Ф400	1600	20	740	132	82	2520



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Туре		Q	Н	n	N	η	
2)40	mm	m³/h	m	r/min	kW	%	kg
300FPQW800-36-13 2	Ф300	800	36	1450	132	76	2000
350FPQW1200-8-45	Ф350	1200	8	980	45	84	1350
350FPQW1100-10-5	Ф350	1100	10	980	55	84	1380
350FPQW1300-12-7 5	Ф350	1300	12	980	75	83	1450
350FPQW1500-15-9 0	Ф350	1500	15	980	90	82	2000
350FPQW1200-18-9 0	Ф350	1200	18	980	90	83	2000
350FPQW1100-28-1	Ф350	1100	28	740	132	83	2520



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Walak
		Q	Н	n	N	η	Weight
Туре	mm	m³/h	m	r/min	kW	%	kg
350FPQW1100-36-1 60	Ф350	1000	36	740	160	78.5	2880
400FPQW1760-7.5-5	Φ400	1760	7.5	580	55	82.3	2000
400FPQW1300-10-5 5	Φ400	1300	10	580	55	82	2000
400FPQW2600-6-75	Ф400	2600	6	740	75	78	1750
400FPQW1500-10-7 5	Ф400	1500	10	980	75	82.1	1750
400FPQW2200-9-11 0	Ф400	2200	9	980	110	80	2100
400FPQW2000-15-1 32	Ф 400	2000	15	740	132	82.5	2520
400FPQW1600-20-1 32	Φ400	1600	20	740	132	82	2520



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Type		Q37	H	n -/i	N	η	1
-5,42	mm	m³/h	m	r/min	kW	%	kg
400FPQW1700-22-1 60	Φ400	1700	22	980	160	82	2880
400FPQW1500-26-1 60	Φ400	1500	26	980	160	83.5	2880
400FPQW2000-22-2 00	Ф 400	2000	22	980	200	82	3150
400FPQW1700-30-2 00	Φ400	1700	30	980	200	83.5	3150
400FPQW180-32-25 0	Φ400	1800	32	740	250	82	3250
400FPQW2000-30-2 80	Φ400	2000	30	740	280	82.5	3250
500FPQW2500-10-1 10	Ф500	2500	10	740	110	82	2100



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Т		Q	Н	n	N	η	
Туре	mm	m³/h	m	r/min	kW	%	kg
500FPQW2000-15-1 10	Ф 500	2000	15	740	110	83	2100
500FPQW2800-10-1 32	Φ 500	2800	10	740	132	82	2250
500FPQW3200-10-1 60	Φ 500	3600	10	740	160	83	2280
500FPQW2600-15-1 60	Φ 500	2600	15	740	160	83	2280
500FPQW2000-20-1 60	Φ 500	2000	20	740	160	82	2280
500FPQW3000-15-2 00	Φ 500	3000	15	740	200	82	2280
500FPQW2500-20-2 00	Φ 500	2500	20	740	200	78	2280
500FPQW2800-18-2 20	Φ 500	2800	18	740	220	83	2350



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
Type		Q375	H	n -/i	N	η %	1
2572	mm	m³/h	m	r/min	kW	%	kg
500FPQW2400-22-2 20	Φ 500	2400	22	740	220	84	2350
500FPQW4000-25-2 50	Φ 500	4000	15	980	250	84	2650
500FPQW2600-24-2 50	Ф 500	2600	24	980	250	82	2650
550FPQW3000-12-1 60	Ф 550	3000	12	740	160	85	2380
550FPQW4200-10-1 85	Ф 550	4200	10	740	185	82	2380
550FPQW3000-16-2 20	Φ550	3000	16	740	200	85	2500
550FPQW5000-10-2 20	Ф550	5000	10	740	220	84	2500



Para	Outlet Dia	Capacity	Head	Speed	Power	Eff.	Weight
		Q	H	n	N	η	
Туре	mm	m^3/h	m	r/min	kW	%	kg
600FPQW3500-12-1 85	Ф 600	3500	12	740	185	85	2580
600FPQW5500-10-2 50	Ф 600	5500	10	740	250	83	2580
600FPQW3750-17-2 50	Ф 600	3750	17	740	250	85	2580
600FPQW6000-10-2 80	Ф 600	6000	10	740	280	84	2600
700FPQW9000-6-25	Ф700	9000	6	740	250	82	2800
700FPQW10000-6-2 80	Φ700	10000	6	740	280	83	2800