

JANUS PUMPS

FIRE PUMP
FOGGING SYSTEM

 WaterQuest
Solutions





WaterQuest Solutions

JANUS PUMPS FIRE PUMP FOGGING SYSTEM

Design

The Janus axial piston fire pumps are totally oil free, clean and completely safe to use in all locations including Atex environments. Advanced material technology ensures high velocity and heavily loaded surfaces can operate effectively with water as their only coolant/lubricant. The elimination of lubricating oil within the mechanics of the pumps removes the requirement for piston sealing which in turn reduces the need of servicing seals in the high cyclic loaded components.

Important for the fire industry, the potential of the lubricating oil to contaminate and enter the pumped fluid is totally removed.

The 9 piston design combined with direct 4 pole motor operation produces a very smooth output flow and removes the requirement for output accumulation or pulsation damping. Pressure ripple-free performance against a fixed orifice make the product ideal for fire fighting applications. System component fatigue is rare due to the smooth low noise performance of the advanced technology. Light weight and compact design reduces powerpack size and the all 316L stainless steel construction ensures exceptional corrosion resistance and unsurpassed life expectancy even in harsh environments

Noise Level

81dBa on 100l pump @ 130 bar.

Power Packs

The units are available as a complete power pack including electrical control system or as a motor/ pump assembly. Multiple pump installations are common with additional stand-by pump assemblies, should specification demand.

Low capacity jockey pumps for system activation are also available again in all 316 construction. All pumps are produced in accordance with ISO 14847, EN12162 and EN 809.

A full range of safety relief and solenoid operated zone valves are also available, please ask for data sheet for further information.

ATEX

This unit is used globally in FM approved systems and is ATEX approved to comply with regulations of Directive 94/9/EC (ATEX) for equipment or protection systems intended for use in potentially explosive atmospheres.

Product group, category, zones:

II 2GD ck T6 T85°C +1°C≤TA≤+40°C





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PUMP	Displacement (CC/REV)	PRESSURE - BAR			
		80	100	120	140
P6	6.0	8.3 l/min	8.0 l/min	7.7 l/min	7.4 l/min
		1.5 KW	2.2 KW	2.2 KW	3.0 KW
		90L Frame	100L Frame	100L Frame	100L Frame
	Number of Spray Heads	2	2	1	1
	Tank Capacity — Useable	25 Litres			
	PC160-6.0W	P6-060-M08-S25	P6-060-M09-S25	P6-060-M10-S25	
P15	19.0	25.9 l/min	25.5 l/min	25.1 l/min	24.7 l/min
		5.5 KW	5.5 KW	7.5 KW	7.5 KW
		132S Frame	132S Frame	132M Frame	132M Frame
	Number of Spray Heads	5		5	
	Tank Capacity — Useable	350 Litres			
	PC160-19W	P15-019-M12-S350	P15-019-M13-S350		
P30	23	31.6 l/min	30.9 l/min	30.2 l/min	29.5 l/min
		5.5 KW	7.5 KW	11 KW	11 KW
		132S Frame	132M Frame	160M Frame	160M Frame
	Number of Spray Heads	7	7	7	
	Tank Capacity — Useable	500 Litres		500 Litres	
		PC160-23W	P30-023-M12-S500	P30-023-M13-S500	P30-023-M14-S500
	35	49.6 l/min	48.9 l/min	48.2 l/min	47.5 l/min
		11 KW	11 KW	15 KW	15 KW
		160M Frame	160M Frame	160L Frame	160L Frame
	Number of Spray Heads	11		11	
Tank Capacity — Useable	1100 Litres		1100 Litres		
	PC160-35W	P30-035-M14-S1100	P30-035-M15-S1100		
P60	51	73.5 l/min	72.5 l/min	71.5 l/min	70.5 l/min
		15 KW	15 KW	18.5 KW	22 KW
		160L Frame	160L Frame	180M Frame	180L Frame
	Number of Spray Heads	16		16	16
	Tank Capacity — Useable	1800 Litres		1800 Litres	
		PC160-51W	P60-051-M15-S1800	P60-051-M16-S1800	P60-051-M17-S1800
	63	91.5 l/min	90.5 l/min	89.5 l/min	88.5 l/min
		15 KW	18.5 KW	22 KW	30 KW
		160L Frame	180M Frame	180L Frame	200L Frame
	Number of Spray Heads	20	20	20	20
	Tank Capacity — Useable	2300 Litres		2300 Litres	
		PC160-63W	P60-063-M15-S2300	P60-063-M16-S2300	P60-063-M17-S2300
	70	99.6 l/min	98.9 l/min	98.2 l/min	97.5 l/min
	18.5 KW	22 KW	30 KW	30 KW	
	180M Frame	180L Frame	200L Frame	200L Frame	
Number of Spray Heads	22	22	22		
Tank Capacity — Useable	2600 Litres		2600 Litres		
	PC160-70W	P60-070-M16-S2600	P60-070-M17-S2600	P60-070-M18-S2600	

Tank capacity (based on 30 minutes fire fighting operation). Guaranteed 15l/min water supply flow

Motor and flow specification based on 400V 4 pole 50 Hz operation. Pumps maximum continuous working pressure 160 bar

Single phase motors are available, please contact TWHC for more details.



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PUMP	Displacement (CC/REV)	PRESSURE - BAR			
		80	100	120	140
P180	135	196.5 l/min	194.5 l/min	192.5 l/min	189.5 l/min
		30 KW	45 KW	55 KW	55 KW
		200L Frame	225M Frame	250M Frame	250M Frame
	Number of Spray Heads	43	43	43	
	Tank Capacity — Useable	5500 Litres		5500 Litres	
	PC160-135W	P180-135-M18-S5500	P180-135-M20-S5500	P180-135-M21-S5500	
	180	264 l/min	262 l/min	260 l/min	257 l/min
		45 KW	55 KW	75 KW	75 KW
		225M Frame	250M Frame	280S Frame	280S Frame
	Number of Spray Heads	58	58	58	
	Tank Capacity — Useable	7500 Litres		7500 Litres	
	PC160-180W	P180-180-M20-S7500	P180-180-M21-S7500	P180-180-M22-S7500	
	225	320.2 l/min	318.2 l/min	316.2 l/min	313.2 l/min
		55 KW	75 KW	75 KW	90 KW
		250M Frame	280S Frame	280S Frame	280M Frame
	Number of Spray Heads	72	72	72	72
Tank Capacity — Useable	9200 Litres		9200 Litres		
PC160-225W	P180-225-M21-S9200	P180-225-M22-S9200	P180-225-M22-S9200	P180-225-M23-S9200	



Tank capacity (based on 30 minutes fire fighting operation). Guaranteed 15l/min water supply flow

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Single phase motors are available, please contact TWHC for more details.



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