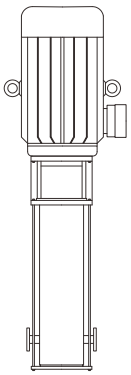
Jockey pump

Jockey pump from TPMC automatically sustains system pressure at the setpoint during idle periods, preventing short-cycling of the main pump and ensuring immediate activation upon fire detection. Featuring rugged multistage impeller assemblies optimized for low-noise, high-efficiency continuous duty, these pumps deliver superior hydraulic performance, long service life, and reliable operation. The compact footprint simplifies installation in new or retrofit pump rooms.



- Certificate: CE
- Standard: NFPA 20
- Configuration: Vertical, multistage, in-line design
- Flow: 2 ~ 100 gpm (0.5 ~ 22.7 m^3/h)
- Pressure (Head): 50 ~ 360 psi (3.4 ~ 24.8 bar)
- Speed: 2900 rpm (50 Hz) / 3500 rpm (60 Hz)
- Liquid: Clean water, 0°C ~ 40°C
- Surface: Red FBE coating per AWWA C550



Main parts and material

Pump casing	Ductile iron, or cast iron	**Impeller / trim**	Bronze or SS (AISI 304/316)
Shaft	SS shaft with SS/bronze sleeves	**Sealing**	Standard mechanical seal
Driver	High-efficiency vertical electric motor	**Controller**	Electrical motor controller
Standard accessories	Air release valve, low-suction pressure shutdown switch, vibration-proof pressure switch, pressure gauges	**Optional accessories**	Gate/ball valves, check valve, flexible pipe connectors, baseplate for skid-mounted package, etc.

Jockey pump

Electric motor drive package

Motor	· CE certified. · TEFC (IP55, Class F) enclosure. Single-phase (115/230 V) or 3-phase (208-460 V), 50/60 Hz. · Thermal overload protection included. · Suitable for across-the-line or soft-start operation.
Controller	· CE certified. · Across-the-line, wye-delta, or soft-start. Microprocessor-based with auto/manual modes. · Phase-reversal and overload protection, display, transducer, recorder. Dry contacts for BMS/FAS.

Available sizes

US system			Metric system			Ref. No.
Capacity (gpm)	Pressure (psi)	Head (ft)	Capacity (m^3/h)	Pressure (bar)	Head (m)	
2	50 ~ 330	115 ~ 762	0.5	3.4 ~ 22.8	35 ~ 232	U0501
5	50 ~ 340	115 ~ 785	1.1	3.4 ~ 23.4	35 ~ 239	U0502
10	50 ~ 360	115 ~ 831	2.3	3.4 ~ 24.8	35 ~ 253	U0503
15	50 ~ 350	115 ~ 808	3.4	3.4 ~ 24.1	35 ~ 246	U0504
20	50 ~ 350	115 ~ 808	4.5	3.4 ~ 24.1	35 ~ 246	U0505
30	50 ~ 340	115 ~ 785	6.8	3.4 ~ 23.4	35 ~ 239	U0506
40	50 ~ 320	115 ~ 739	9.1	3.4 ~ 22.1	35 ~ 225	U0507
50	50 ~ 300	115 ~ 693	11.4	3.4 ~ 20.7	35 ~ 211	U0508
75	50 ~ 280	115 ~ 647	17	3.4 ~ 19.3	35 ~ 197	U0509
100	50 ~ 250	115 ~ 577	22.7	3.4 ~ 17.2	35 ~ 176	U0510

Note:

1. The jockey pump is typically sized at 1-3% of the main pump capacity, with a shut-off pressure set approximately 10-20 psi (0.7-1.4 bar) above the main pump start pressure.
2. The pressure ranges shown represent the available performance envelope at nominal speeds. Actual performance curves and drive power selection are provided upon request for selected duty point. Contact TPMC for details.