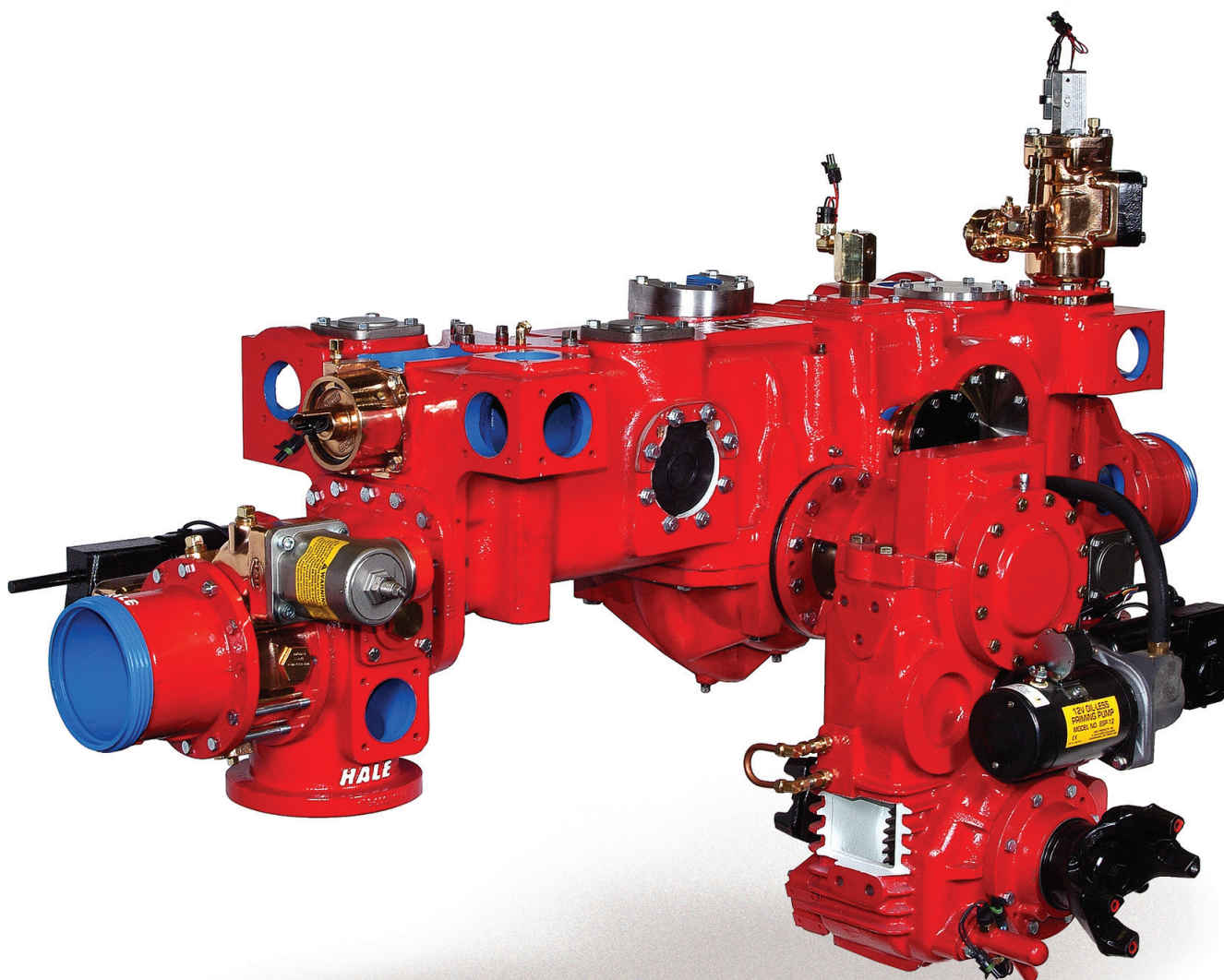




Qmax

Superior Performance. Reliability. Innovation.

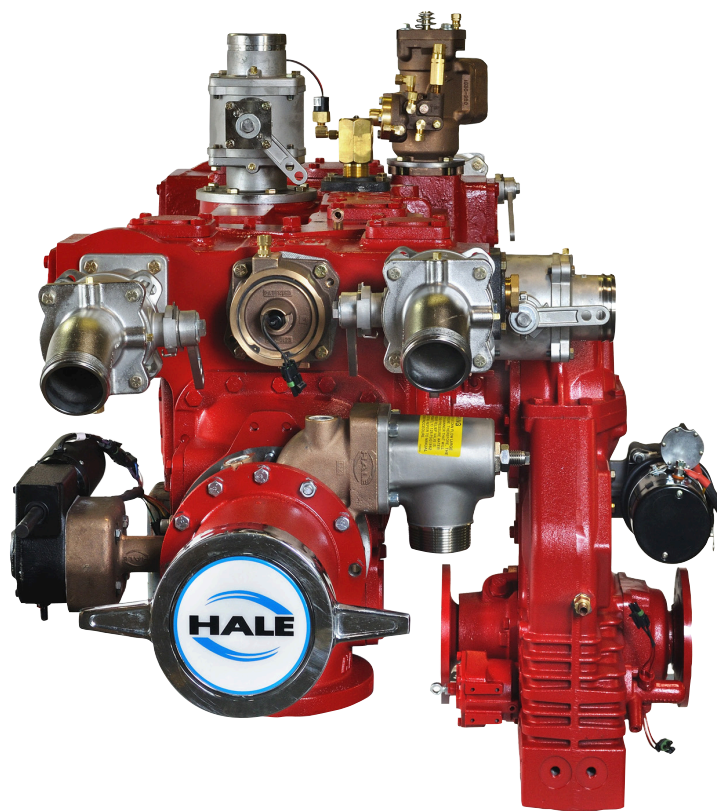
Hale's Qmax pump's high water delivery rate to knock down large fires, proven reliability based on an impressive track record, and innovative manifold design gives your department all that it is looking for in a pump.



The Ultimate Flow Specialist™

Superior Performance

- The Hale Qmax single-stage midship pump generates NFPA 1901 rated flows up to 2,250 GPM. It has been designed to go beyond the NFPA rating of 2,250 and exceed 3,000 GPM from a sufficient positive pressure water source along with an appropriate engine.
- The large suction inlets and full-flow waterways cut friction loss and deliver maximum pressure at discharge valves.
- The thirteen standard three-inch discharge ports are each designed to flow in excess of 1,500 GPM and the three standard four-inch discharge ports are designed to flow in excess of 2,400 GPM with low pressure drop.
- The 3-inch tank-to-pump connection is designed to provide flows up to 600 GPM, and a 4-inch valve will flow 1,100 GPM.
- Right and left side, large 6" diameter suction inlets deliver pump capacities beyond NFPA 1901 standard ratings.



Innovation

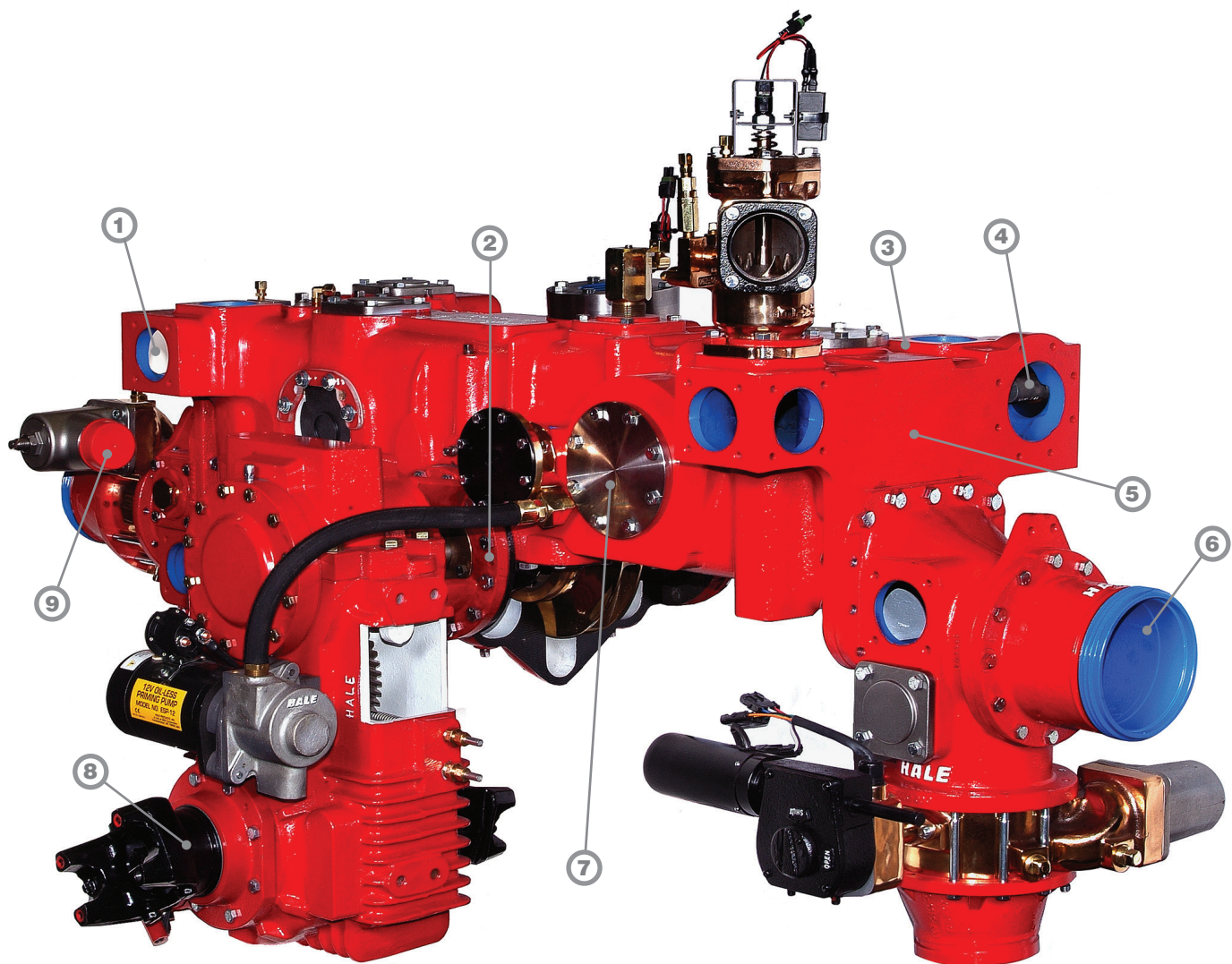
- The Hale Qmax pump's innovative one-piece compact body profile design minimizes piping requirements and leaves more room for storage compartment space on your apparatus.
- Even with its big water muscle, the Qmax-XS pump's sleek design allows it to be installed in a pump module as small as 42 inches wide with manual valves.
- The direct tank to pump line connections include built in check valves while optional 6" front and rear suctions are located near the eye of the impeller to increase the efficiency of front or rear suctions on an apparatus.

Reliability

- A one-piece upper pump body minimizes potential piping leaks and makes maintenance and service easy.
- Its double suction impeller with dual cutwater design minimizes shaft loading for long life while increasing suction performance and efficiency.
- The pump shaft is supported close to the impeller to minimize shaft deflection. Decreased shaft deflection reduces wear on the shaft, impeller, clearance rings and bearings.
- The Auto-Lube is an impeller shaft sleeve bearing system that automatically lubricates itself with oil plus seals out dirt and water. This puts the safest, most rugged type of "extended life" bearing right in the center of the pump, next to the impeller, where it provides maximum benefit.

Qmax

1. 12 standard 3" ports minimize plumbing requirements while flowing in excess of 1500 GPM
2. Horizontally split body makes maintenance easy and allows for pump work to be done without disturbing plumbing
3. Internal waterways include 180° cutwater that minimizes internal plumbing for higher flows with less pressure loss
4. 3 standard and one optional, 4" ports flow in excess of 2400 GP2M
5. Single-piece body minimizes chances of leaks while maximizing water flow
6. Large suction inlets for performance beyond NFPA
7. Optional front and rear intakes allow for better incoming water flow with fewer elbows
8. Gearboxes built for high horsepower engines, capable of withstanding 18,500 ft.lbs. of torque
9. Manual intake valves with true 6" inlet allow for single hose 1500 GPM rating



Qmax NFPA-Rated Pump Performance		
Qmax 100	1000 GPM @ 150 PSI	3785 LPM @ 10.3 BAR
Qmax 125	1250 GPM @ 150 PSI	4732 LPM @ 10.3 BAR
Qmax 150	1500 GPM @ 150 PSI	5678 LPM @ 10.3 BAR
Qmax 200	2000 GPM @ 150 PSI	7570 LPM @ 10.3 BAR
Qmax 225	2250 GPM @ 150 PSI	8515 LPM @ 10.3 BAR

Heavy Duty Gear Box Options

The Hale G-Style Gearbox with hardened chrome nickel steel precision ground gears is standard. It includes dual switch indicators for lights and safety interlocks. It is available in several ratios that are compatible with the most popular engine and transmission combinations to ensure maximum performance, and features a 16,000 ft.lb. drive-through torque rating.

The Hale K-Style Gearbox, capable of 18,500 ft.lb. drive-through torque, is designed and built for high mileage and power requirements. The K Gearbox is ideal for refineries, petro-chemical facilities and large cities with big drive-through torque requirements and apparatus with engines up to 550 HP.

