

**WATEROUS**

# ENDURANCE

## SINGLE STAGE FIRE PUMP

MODEL **CS/CSUC20**

### High Performance

Up to 2250 GPM (9000 L/ min)  
Max pressure: 400 PSI (28 bar)

### Impeller Shaft Assembly

Maintenance-free outboard ball bearing  
Labyrinth-type reverse flow wear rings  
Optional flame-plated impeller hubs reduce water bypass loss and results in longer life (Standard on CMU)  
Optional mechanical shaft seals require no routine maintenance  
Separable impeller shafts reduce downtime for repairs

### Monarch Intake Valve

Manual, electric or pneumatic operation  
Stainless steel Wafer-Sphere® element  
Polymeric flexible lip seal resists "bonding" to moving element  
Includes provision for pre-butterfly relief valve

### Priming Systems

VPO oil-free primer  
Fast, dependable priming  
Electrically driven  
Operates independently from the pump  
Vacuum-activated priming valve

### Other Options

Overheat Protection Manager  
Aquis™ Foam Proportioner  
Advantus® Foam System

### 4 Discharge Valve

Available in:  
2-1/2" Standard  
2-1/2" Full-Flow  
3-1/2"  
Manual or electric operation  
Chrome-plated bronze valve balls  
Resists scratching and scoring from sand and grit  
Spring-loaded floating seal assemblies  
Seals tight, no adjustments needed

### 5 Intake Relief Valve

Pilot-operated for improved performance  
Easy to set with pressure scale markings  
Panel-mounted strainer

### 6 Discharge Relief Valve

ON - OFF valve  
Indicating lights  
Panel-mounted strainer

### 7 Tank-to-Pump Valve

3-1/2 inch full flow  
Chrome-plated bronze ball  
Spring-loaded floating seal assembly

### 8 Pneumatic Shift

Spring-loaded locking detents prevent accidental movement  
Dual-action cylinder stays in position in case of air loss

### 9 C20 Transmission

High-strength aluminum construction  
"Silent" Morse HV drive chain  
Smoother transfer of power  
16,000 lb./ft. torque rating