



**Waukesha
Cherry-Burrell**
A United Dominion Company

WAUKESHA
200MS SERIES
MULTISTAGE
HIGH-PRESSURE
CENTRIFUGAL
PUMPS



MULTISTAGE CENTRIFUGAL PUMPS

200MS Series High-Pressure Multistage Centrifugal Pumps:

The introduction of the Waukesha Cherry-Burrell 200 Series, Heavy-Duty Centrifugals set a new standard for higher efficiency, minimal vibration and longer life.

Many of the same features of the 200 Series pumps, including strong investment cast impellers, low NPSH requirements and tighter running clearances, have been included in the 200MS high-pressure multistage.

Especially designed for recirculating service in reverse osmosis and other membrane systems, the 200MS Series pumps offer lower start-up and run costs due to the high efficiency two impeller design. Moreover, they produce a smooth, constant flow rate that reduces RO membrane fouling.

The 200MS Series pumps are equipped with a balanced, double-shaft seal with buffer fluid ports on top and bottom for complete removal of air/vapor from the seal chamber.

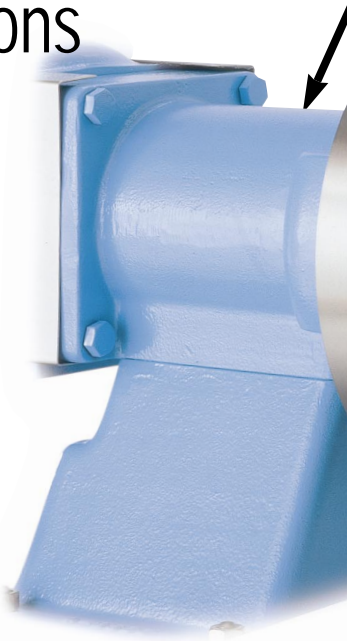
The smoother flowing, high-efficiency, cost saving alternative for high-pressure applications

Operating Features

- *Cost competitive two stage design.*
- *High efficiency and low noise;* precision, heavy-duty, machined cover and diffuser manufactured to tight tolerances.
- *Easier on RO membranes* than piston pumps with a smooth, constant, flow rate and less membrane fouling.
- *Up to 235 psi* pump differential pressure.
- *Up to 1250 psi* maximum casing pressure when pumps are placed in series.
- *Sanitary 3A construction* for dairy and food processing; wet end parts 316L stainless steel.
- *CIPable.*
- *Save on maintenance costs;* uses many common components with 200 Series pumps; easy takedown and assembly shortens downtimes.
- *Flush type seal, standard.*

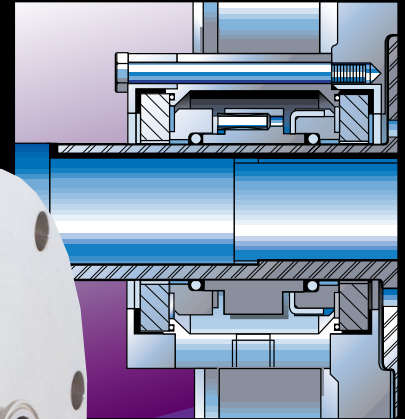
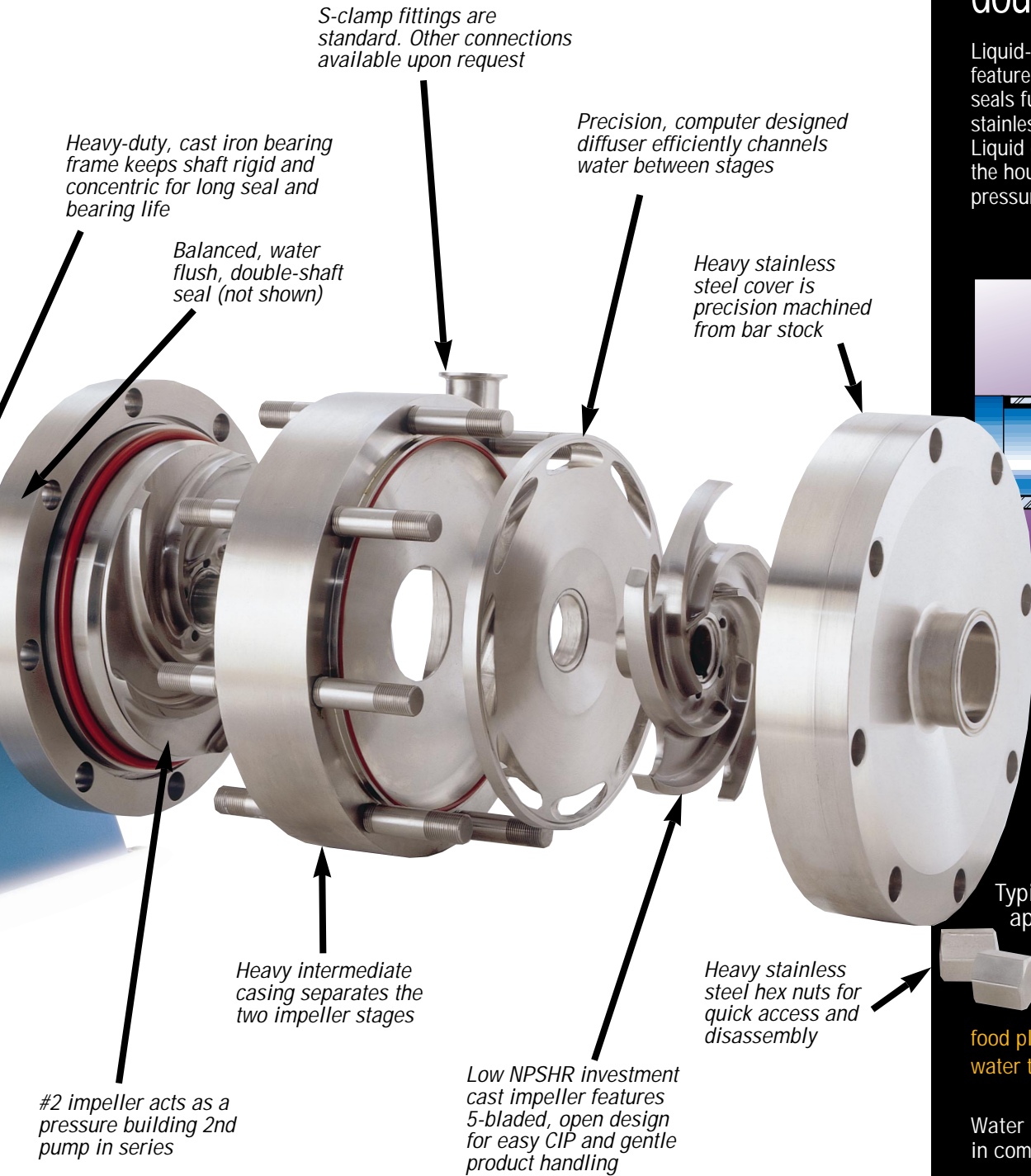
Long-life features

- *Negligible shaft deflection* due to rigid shaft.
- *Large, long-life bearings with non-wearing, labyrinth seals.*
- *Coupling wear reduced* by motor flange adapter design.



Balanced, double-shaft seal

Liquid-cooled rotary, double seal features two silicon carbide seals fully enclosed with a stainless steel seal housing. Liquid coolant circulates through the housing under moderate pressure to cool seal surfaces.



Typical multistage applications

Reverse Osmosis systems
 whey separation
 food plant waste streams
 water treatment

Water boost & recirculation
 in commercial buildings

Sanitizing systems

Machine coolants



