



**PRODUCT DATA SHEET**

# AQUARIUS PUMP COMPANY

## 14414T-F39

AVAILABLE MOUNTING CONFIGURATIONS	
14414T-F FRAME MOUNT	
14414T-RP-F REDI-PRIME FRAME MOUNT	
14414T-EM ENGINE MOUNT	
14414T-RP-EM REDI-PRIME ENGINE MOUNT	
14414T-VC VERTICAL COUPLED	
14414T-VF VERTICAL FRAME MOUNT	

OPERATING LEVELS		
MIN FLOW	200 GPM	45.4 m <sup>3</sup> /h
MAX FLOW	1300 GPM	295 m <sup>3</sup> /h
DISCHARGE SIZE	4"	102 mm
SUCTION SIZE	4"	102 mm
SOLIDS HANDLING	3"	76.2mm mm
MAX SPEED	1800 RPM	1800 RPM
SHUT-OFF HEAD	252'	76.8 m
BEP HEAD	175'	53 m
BEP FLOW	1300 GPM	295 m <sup>3</sup> /h
BEP PERCENT	78%	78%



A typical picture of the pump is shown. Please contact Aquarius Pump Company for further details. All information is approximate and for general guidance only.

PARTS	STANDARD MATERIAL (ALL IRON)	CD4MCU
WEAR RING	CAST IRON	CD4MCU
IMPELLER	CAST IRON	CD4MCU
VOLUTE	DUCTILE IRON	CD4MCU
SHAFT	STRESSPROOF STEEL	17-4PH
SHAFT SLEEVE	416 STAINLESS STEEL	CD4MCU
BACKPLATE	CAST IRON	CD4MCU
MECHANICAL SEAL	TUNGSTEN CARBIDE VS. SILICON CARBIDE	TUNGSTEN CARBIDE VS. SILICON CARBIDE
BEARING FRAME	CAST IRON	CAST IRON

The 14414T pump is designed with Aquarius's renowned quality and durability. It features a 4" discharge, 4" suction, and enclosed impeller. Available in All Iron or CD4MCu materials. Aquarius's patented Cycloseal® design is standard, with a Type 1 or 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- High Efficiency
- Cycloseal Sealing System
- Low NPSHr
- Robust Construction
- Long Bearing life
- Can be fitted with cutters without dimension changes
- Two year warranty



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