

4R and 4RX (EXPLOSION-PROOF)

4" Non-clog Wastewater Pumps
Standard (4R) and Explosion-proof (4RX) Construction



4RX only

THE 4R AND 4RX (EXPLOSION-PROOF) SUBMERSIBLE WASTEWATER PUMPS ARE THE RIGHT CHOICE WHEN DIFFICULT TO PUMP FIBEROUS OR STRINGY SOLIDS ARE TO BE EXPECTED. The 4R series provides smooth, vibration-free operation when operating at heads higher than peak efficiency. For use in municipal lift stations, treatment plants and industrial waste applications. Myers offers a complete line of wastewater pumps, lift-out rail assemblies, controls and accessories to meet your needs. Call your Myers distributor, or the Myers Ohio sales office at 419/289-1144 for more details.

ADVANTAGES BY DESIGN

PASSES STRINGY TRASH, FIBEROUS WASTES, SLURRIES, AND OTHER DIFFICULT TO PUMP SOLIDS THAT STANDARD ENCLOSED OR SEMI-OPEN IMPELLERS CAN NOT.

- Recessed impeller design has completely open passage in volute.
- Pumping action is by vortex; solids can't get caught in impeller volute.
- Operates without vibration or cavitation over entire performance curve. Operates near shut-off without harming pump.

DURABLE MOTOR WILL DELIVER MANY YEARS OF RELIABLE SERVICE.

- Recessed impeller greatly increases bearing life by reducing radial load.
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- Heat sensor thermostats imbedded in windings protect motor from over heat conditions.
- Seal leak probes warn of moisture entry; helps prevent costly motor burn-out.

AVAILABLE WITH OPTIONAL U.L. APPROVAL FOR USE IN CLASS 1, GROUP D HAZARDOUS LOCATIONS (4RX ONLY).

- 4RX file number E 68118.
- Non-sparking rail system file number E 76984N.

PRODUCT CAPABILITIES

Capacities To	565 gpm	35.7 l/s
Heads To	57.5 ft.	17.5 m
Solids Handling	3 in.	76 mm
Liquids Handling	raw unscreened sewage, fibrous wastewater, effluent, storm water	
Intermittent Liquid Temp.	up to 140°F	up to 60°C
Winding Insulation Temp. (Class B)	266°F	130°C
Available Motors (Single phase motors are capacitor start type. Myers control panels or capacitor kits are required for proper operation and warranty.)	1150 RPM, 1-3 HP 1 Phase, 230V 3 Phase, 208/230/460/575V 1750 RPM, 3-5 HP 1 Phase, 230V, 60 Hz 3-10 HP, 60 Hz 3 Phase, 208/230/460/575V	
Std. Third Party Approvals	CSA	
Optional Approvals	UL Class 1, Div. 1, Group D (4RX only) file E68118	
Acceptable pH Range	6 - 9	
Specific Gravity	.9 - 1.1	
Viscosity	28 - 35 SSU	
Discharge, Horizontal Flanged Centerline	4 in. 125 lb. ANSI	101.6 mm

NOTE: Consult factory for applications outside of these recommendations.

Construction Materials

Motor Housing, Seal Housing, Cord Cap and Volute Case	cast iron, Class 30 ASTM A48-76
Recessed, Impeller	ductile iron, Class 65 ASTM A536-80
Power and Control Cord	25 ft. SOW/SOW-A
Mechanical Seals Standard Optional	double tandem, type 21 carbon and ceramic lower tungsten, carbide
Pump, Motor Shaft	416 SST
Fasteners	300 Series SST

WHERE INNOVATION MEETS TRADITION

Myers®

Pentair Pump Group

4R and 4RX (EXPLOSION-PROOF)

4" Non-clog Wastewater Pumps
Standard (4R) and Explosion-proof (4RX) Construction

POWER & CONTROL CORDS

SOW-A, UL and CSA approved oil-resistant cable.

CABLE ENTRY SYSTEM

Provides double seal protection. Cable jacket sealed by compression grommet. Individual wires sealed by epoxy potting.

HEAT SENSOR

Protects motor from burn-out due to excessive heat from any overload condition. Automatically resets when motor has cooled.

STATOR

Heat shrunk into housing for perfect alignment and best heat transfer. Oil-filled motor conducts heat and lubricates bearings.

BALL BEARINGS

Upper and lower ball bearings support shaft and rotor and take axial and radial loads.

SHAFT SEALS

Double tandem mechanical shaft seals protect motor. Oil-filled seal chamber provides continuous lubrication.

SEAL LEAK PROBES

Detect water in seal housing. Activates warning light in control panel. (Test resistor on UL listed models.)

HEAVY 416 SST SHAFT
Corrosion resistant.

SLEEVE BEARING

Takes radial shock load; provides flame path. (UL listed pumps only.)

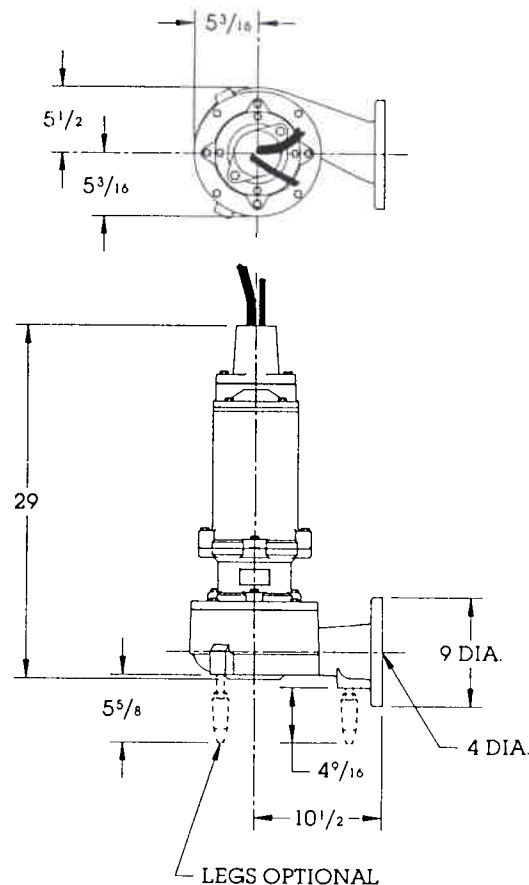
RECESSED IMPELLER

Handles stringy trash and slurries without clogging or binding. Pump out vanes help keep trash from seal; reduces pressure at seal faces.

VOLUTE CASE

Handles 3" solids. Completely open from inlet to discharge. 4" ANSI 125 lb. flange.

DIMENSIONS



PERFORMANCE CURVE

