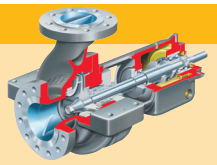
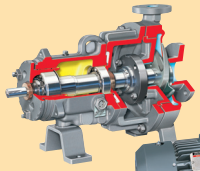
Complete Pump Coverage

Overhung Shaft



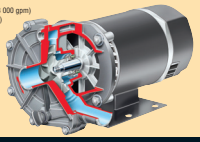
API Process
HPX, HPXM, ERPN, ERPH-MAG, PHL, PHL-MAG
- Flows to 2000 m³/h (9000 gpm)
- Heads to 350 m (1100 ft)
- Temperatures from -160°C (-250°F) to 450°C (850°F)
- Pressures to 80 bar (1160 psi)



Chemical Process
ANSI: Mark 3, Mark 3 Group 4, Guardian, PolyChem S and M, GRP
ISO: CPS, CPXS, CPXM, PolyChem S and M
- Flows to 4500 m³/h (20 000 gpm)
- Heads to 300 m (1000 ft)
- Temperatures to 350°C (660°F)
- Pressures to 25 bar (365 psi)

Vertical In-Line
HWX, HWM, W, WM, WM2, HWM2, MSP, MSP2, PVML, PVML-MAG, Mark 3
- Flows to 1200 m³/h (5300 gpm)
- Heads to 600 m (2000 ft)
- Temperatures to 425°C (800°F)
- Pressures to 100 bar (1450 psi)

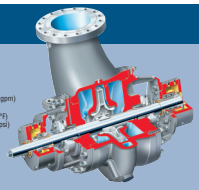
DSVP
- Flows to 3000 m³/h (13 000 gpm)
- Heads to 150 m (500 ft)



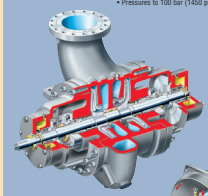
Standard Water Pumps
- Metallic and Non-Metallic
- Close-Coupled and Long-Coupled

ME, MEN, D80D, SMP, SMX
- Flows to 2000 m³/h (9000 gpm)
- Heads to 150 m (490 ft)

Between Bearing Single and Two Stage

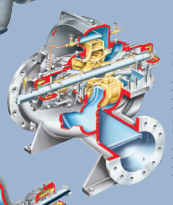


Single Stage Radially Split Double Suction
HDX
- Flows to 4100 m³/h (18 000 gpm)
- Heads to 450 m (1500 ft)
- Temperatures to 450°C (850°F)
- Pressures to 100 bar (1450 psi)



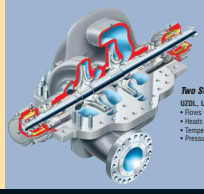
Two Stage Radially Split
- Single and Double Suction First Stage

HED, HED-DS, DSTHF, TSHO
- Flows to 1000 m³/h (4400 gpm)
- Heads to 600 m (2000 ft)
- Temperatures to 450°C (850°F)
- Pressures to 80 bar (1160 psi)



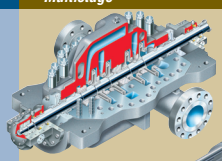
Single Stage Axially Split
DVS, LPH
Centerline Mounted API
- Flows to 9000 m³/h (40 000 gpm)
- Heads to 500 m (1600 ft)
- Horsepower to 5600 hp
- Pressures to 100 bar (1450 psi)

LNN, LN, LNGT, LNNC, LNNV, LR, LNE, LNS
Foot Mounted General Industry
- Flows to 51 000 m³/h (225 000 gpm)
- Heads to 300 m (1000 ft)
- Horsepower to 5500 hp
- Pressures to 30 bar (450 psi)

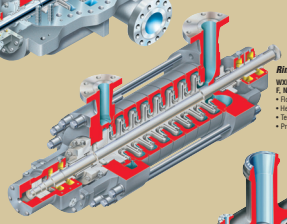


Two Stage Axially Split
UZDL, LLR
- Flows to 3000 m³/h (13 000 gpm)
- Heads to 700 m (2250 ft)
- Temperatures to 200°C (400°F)
- Pressures to 80 bar (800 psi)

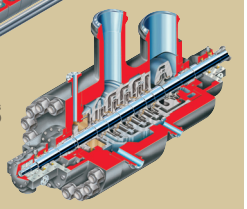
Between Bearing Multistage



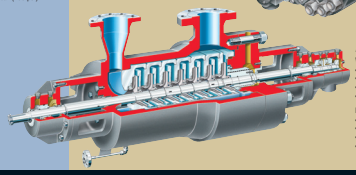
Axially Split
DMX
- Flows to 3000 m³/h (13 000 gpm)
- Heads to 2100 m (7000 ft)
- Speeds to 8000 rpm
- Specific gravities down to 0.35



Ring Section
WXH, WXL, WX, CS, WDX, F, NM
- Flows to 1150 m³/h (5100 gpm)
- Heads to 2750 m (9000 ft)
- Temperatures to 200°C (400°F)
- Pressures to 300 bar (4500 psi)



Utility Double Casing
WCA, CSB, CHTA, WNC, HDB/HDS
- Flows to 5250 m³/h (23 000 gpm)
- Heads to 4300 m (14 000 ft)
- Temperatures to 260°C (500°F)
- Pressures to 475 bar (7000 psi)
- Speeds to 7000 rpm
- Power to 52 000 kW (70 000 hp)



Process Double Casing
WCC
- Flows to 1000 m³/h (4500 gpm)
- Heads to 3000 m (10 000 ft)
- Temperatures to 425°C (800°F)
- Pressures to 275 bar (4000 psi)

HSO/HDO, WIK
- Flows to 4100 m³/h (18 000 gpm)
- Heads to 6900 m (22 500 ft)
- Temperatures to 425°C (800°F)
- Pressures to 400 bar (6000 psi)

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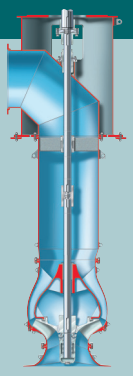
Vertical

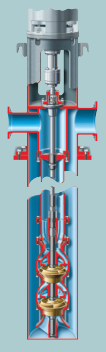


Vertical Wet Pit
- Mixed Flow
- Axial Flow
- Double Suction

VTP, WUJ
- Flows to 14 000 m³/h (60 000 gpm)
- Heads to 1050 m (3500 ft)
- Temperatures from -45°C (-50°F) to 200°C (400°F)
- Pressures to 100 bar (1450 psi)
- Settings to 365 m (1200 ft)

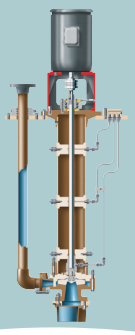
QL, QLO Double Suction
- Flows to 20 000 m³/h (90 000 gpm)
- Heads to 600 m (2000 ft)
- Temperatures from -45°C (-50°F) to 200°C (400°F)
- Pressures to 70 bar (1000 psi)

AFV, VCT
- Flows to 158 000 m³/h (700 000 gpm)
- Heads to 50 m (175 ft)
- Temperatures to 65°C (150°F)
- Pressures to 5 bar (75 psi)



Vertical Double Casing
- Process
- Power
- Cryogenic
- Desalination

VPC, VTP-CAN, QLC, QLOC, WUC, APKC, APKD
- Flows to 14 000 m³/h (60 000 gpm)
- Heads to 1050 m (3500 ft)
- Temperatures from -200°C (-330°F) to 300°C (570°F)
- Pressures to 150 bar (2160 psi)

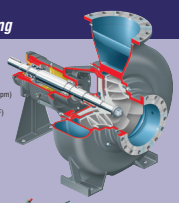


Standard Sump
ESP2
- Flows to 900 m³/h (4000 gpm)
- Heads to 100 m (325 ft)
- Temperatures from -75°C (-100°F) to 175°C (350°F)
- Pressures to 12 bar (175 psi)

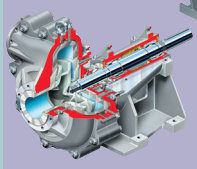
VGRP
- Flows to 325 m³/h (1400 gpm)
- Heads to 100 m (325 ft)
- Temperatures from -20°C (-30°F) to 80°C (180°F)
- Pressures to 12 bar (175 psi)

Heavy-Duty Sump
RJ, MJ, LC-S, FRBHJ, ECPJ
- Flows to 1020 m³/h (4500 gpm)
- Heads to 60 m (200 ft)
- Temperatures to 110°C (225°F)
- Pressures to 10 bar (150 psi)

Slurry and Solids Handling

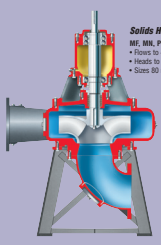


Paper Stock
FRBH
- Flows to 5000 m³/h (22 000 gpm)
- Heads to 100 m (325 ft)
- Temperatures to 150°C (300°F)

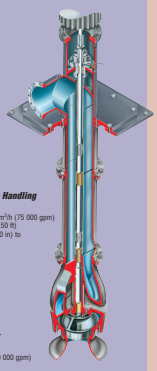


Slurry/Abrasive
- Hard Metal
- Rubber Lined

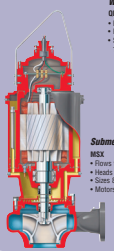
R, M, LC, Titan Slurry, Terra Titan
- Flows to 10 000 m³/h (44 000 gpm)
- Heads to 100 m (325 ft)
- Temperatures to 150°C (300°F)
- Pressures to 10 bar (150 psi)



Solids Handling
MF, MN, Primo-Titan
- Flows to 45 000 m³/h (200 000 gpm)
- Heads to 90 m (300 ft)
- Sizes 80 mm (3 in) to 1800 mm (72 in)

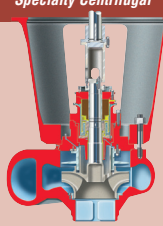


Wet Pit Solids Handling
OMN
- Flows to 17 000 m³/h (75 000 gpm)
- Heads to 45 m (150 ft)
- Sizes 250 mm (10 in) to 1200 mm (48 in)



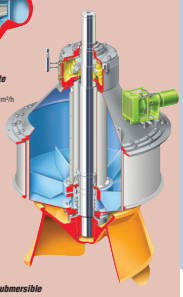
Submersible Motor
MSX
- Flows to 4500 m³/h (20 000 gpm)
- Heads to 90 m (300 ft)
- Sizes 80 mm (3 in) to 500 mm (20 in)
- Motors to 225 kW (300 hp)

Specialty Centrifugal

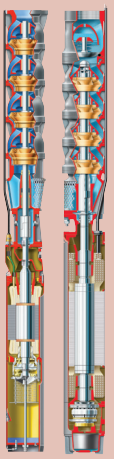


Nuclear
ASME Class 3 Pumps
- Safety
- Residual core cooling
- Service water
- Reactor feed

Reactor Recirculation
- Flows to 4500 m³/h (20 000 gpm)
- Heads to 750 m (2500 ft)
- Temperatures to 200°C (400°F)
- Pressures to 170 bar (2500 psi)



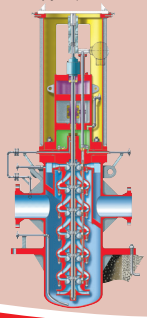
Concrete Volute
BSV, BCV
- Flows to 115 000 m³/h (500 000 gpm)
- Heads to 30 m (100 ft)



Submersible
- Water Filled Motor
- Oil Filled Motor

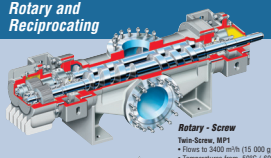
SUBM
- Flows to 4500 m³/h (20 000 gpm)
- Heads to 800 m (2600 ft)
- Motor sizes to 5000 kW (6700 hp)

Special Purpose Equipment and Systems
- Unspared process barrel pumps
- Hydraulic power recovery turbines
- Reactor recycle systems
- Hydraulic decoking systems
- Plunger pumps
- Cryogenic expanders

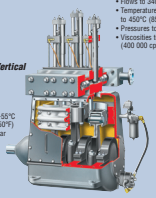


Pesticide and Insecticide Closed Chemical Transfer
- AP-30
- DD6
- MDX/MDXN
- MTX
- PH6
- STX

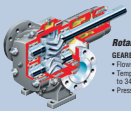
Rotary and Reciprocating



Rotary - Screw
Twin-Screw, MP1
- Flows to 3400 m³/h (15 000 gpm)
- Temperatures from -50°C (-60°F) to 450°C (850°F)
- Pressures to 240 bar (3500 psi)
- Viscosities to 2 000 000 ssu (400 000 cps)



Horizontal and Vertical Reciprocating
HS, V, YHT
- Flows to 1650 m³/h (7250 gpm)
- Temperatures from -55°C (-70°F) to 350°C (650°F)
- Pressures to 2100 bar (30 000 psi)



Rotary - Gear
GEAREX, HYDREX, GR, GAX
- Flows to 270 m³/h (1200 gpm)
- Temperatures from -50°C (-60°F) to 340°C (650°F)
- Pressures to 34 bar (500 psi)

Heritage Names of Distinction

ACEC™ Centrifugal Pumps
Aldrich® Pumps
Byron Jackson® Pumps
Cameron® Pumps
Durco® Pumps
Flowserve® Pumps
IDP® Pumps
Jeumont-Schneider™ Pumps
Pacific® Pumps
Pleuger® Pumps
Scienco® Pumps
Sier-Bath® Rotary Pumps
TKL™ Pumps
United® Centrifugal Pumps
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Wilson-Snyder® Pumps
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