LOCAL INVENTORY FOR QUICK SHIPMENT

Territory Representation for Taco products since 1957:

ALASKA
6657 Greenwood St.
Anchorage, AK 99518
(907) 562-2608
(907) 562-0503 fax

OREGON
27180 SW 95th Avenue
Suite 3370
Wilsonville, OR 97070
(509) 534-8101
(509) 536-6034 fax

W. WASHINGTON
20715 50th Avenue W.
P.O. Box 5887
Lynnwood, WA 98046
(425) 774-1441
(425) 771-2590 fax

COMMERCIAL PRODUCTS

In Stock & Ready to Ship!

For other products offered by Proctor Sales visit us at our website:

www.GoPSi.com

For Price & Availability Contact:

pumps@gopsi.com

Commercial Pumps – Applying or Replacement

Whether designing a new hydronic application or simply replacing an existing pump or other hydronic equipment, Proctor Sales can help with design, application and selection. We have substantially increased our inventory levels of hydronic components to meet your demand.

Most of the pumps we supply are custom assembled. The impeller is trimmed on our lathe to your specific application and a motor is mounted to match the electrical requirements of the job. In order to supply a quotation we need to following minimum information:

1. Flow requirements (GPM)
2. Head pressure required (Feet of Head)
3. Electrical motor requirements (Voltage and Phase)

We can also provide a full size impeller with an integral variable frequency drive. Pump flow and head can then easily be adjusted to meet your particular application. These pumps are right off the shelf and available for quick replacement with a more efficient ECM motor. Our field technicians are also available to help set up.

Motors and pump designs have improved dramatically in recent years. We can help you consider how to apply more efficient pump technology to your hydronic application. Please inquire with your application engineer about the following features:

- Do you need a starter or variable frequency drive? Taco can match the perfect drive or starter to your application.
- Electrically commutated motors (ECM) are available in a variety of sizes and are up to 85% more efficient. Would you like to consider ECM as an option?
- Sensorless pumps are available for variable speed pumping without external sensors.
- Are start-up and flow measurement services required? Proctor Sales has trained field technicians who can help.
- Would you prefer a packaged pump station with control panel and electrical pre-wired?

Expansion Tank Replacement

Proctor Sales has a wide selection of expansion tanks in stock. Chances are if you are replacing an expansion tank you need it in a hurry. It's also likely that a system issue has contributed to the bladder failure. We can help with solutions to both problems. See a list of our expansion tanks in this catalog and ask your application engineer for help with root cause analysis. You might also consider installing a new expansion tank with a removable bladder so complete replacement isn't required the next time.

PROCTOR SALES TACO COMMERCIAL INVENTORY

Series	Commercial Pump Type	Materials	GPM Range	Stock
VR3452	In-Line, Wet Rotor, ECM Motor, Variable Speed	Cast Iron	10 - 50	Complete Series
VR15-30	In-Line, Wet Rotor, ECM Motor, Variable Speed	Cast Iron	25 - 375	Complete Series
100	In-Line, Split Coupled	Cast Iron	5 - 150	Complete Series
2400	In-Line, Close Coupled	Cast Iron	10 - 140	Complete Series
1600	In-Line, Split Coupled	Cast Iron or SST	20 - 200	Complete Series
1900	In-Line, Close Coupled	Cast Iron or SST	20 - 160	Complete Series
KS	Vertical In-Line, Split Coupled	Cast Iron	40 - 12,000	
KV	Vertical In-Line, Close Coupled	Cast Iron	40 - 2,400	Up to 4" thru 10 HP (500 GPM)
FI	Base Mounted, End Suction, Split Coupled	Cast Iron	40 - 4,000	Up to 4" inlet thru 30 HP (800 GPM)
CI	Foot Mounted, End suction, Close Coupled	Cast Iron	20 - 2,200	

Series	Pump Accessories	Material	Design	Stock
MPV	Multi-Purpose Valves	Cast Iron	125 psig	1-1/2" to 2-1/2" Threaded 3" to 6" Flanged
RSD	Suction Diffusers (Rear Strainer Pullout)	Cast Iron	125 psig	1-1/2" to 4" Flanged Pump Connection 2" to 5" Flanged System Connection
ACUF	Flow Balancing Valves, Circuit Setters	Bronze 1/2-2" CI 2-1/2", 3", 4"	300 PSIG 125 psig	1/2" to 2" Threaded or Sweat 3" to 6" Flanged

Series	**Expansion Tank Type**	**Wetted Material**	**Design**	**Stock**
CA	Full Acceptance, Field Replaceable Bladder	Butyl bladder	125 ASME	3 sizes up to 79 gallon volume
CX	Partial Acceptance, Non-Replaceable Diaphragm	Butyl diaphragm	125 ASME	6 sizes up to 41 gallon acceptance
CBX	Partial Acceptance, field replaceable membrane	Molded rubber membrane	125 ASME	7 sizes up to 43 gallon acceptance
PAX	Partial Acceptance, potable water system design	FDA approved	125 ASME	6 sizes up to 43 gallon acceptance

Series	Air Separator Type	Sizes in Stock	Design	Notes
AD	High Efficient Air and Dirt Separator	3, 4, & 6" Flanged	125 ASME	Removes Microbubbles down to 18 Microns
AC	In-Line Air Separators	2", 2-1/2", 3", & 4" Flanged	125 ASME	Stocked with or without integral strainer

PSI PROCTOR SALES INC

Ships from Proctor Sales' Warehouse: Wilsonville, Oregon 97070.
Shipping lead-times:

- In stock 1-2 days; Non-stock 4-6 weeks
- Pumps: In stock motor - 2 days; Non-stock motor - call for lead time

Call for pricing and availability as quantities fluctuate due to demand.

FI Series Pumps

End Suction
Split Coupled
Base/Frame Mounted

GPM: 40 - 4,000
Head (ft): 10 - 380
HP: 1/3 - 200
SIZES: 1-1/4" — 10"

Cast iron casing with integrally cast feet enables pump to be bolted to base for sturdier installation. Allows for back pull without disturbing piping.

Low-cost, replaceable wear rings protect casing during normal operation.

Standard ceramic seals promote product flexibility, enabling basic product offering to meet a wide range of application requirements.

Dry shaft design ensures shaft is never exposed to system fluid, eliminates need for expensive corrosion-resistant shaft, and simplifies sleeve and seal removal/reassembly.

Rear pullout design allows pump to be serviced without disturbing system piping.

1/4 NPT pressure tapping on suction and discharge connections.

Easy-to-replace slip-on shaft sleeve facilitates seal maintenance in the field and lowers long-term maintenance costs.

Flush seal line tap allows installation of filter to protect seal from particles present in open systems.

Top centerline discharge design simplifies piping layouts, reduces piping strain, and makes the pump self-venting.

CI Series Pumps

End Suction
Close Coupled
Foot Mounted

GPM: 40 - 2,200
Head (ft): 10 - 380
HP: 1/3 - 50
SIZES: 1-1/4" — 8"

Flush seal line taps allow for installation of filter to protect seal from particles present in open systems.

1/4 NPT pressure tapping on suction and discharge connections.

Standard ceramic seals promote product flexibility, enabling basic product offering to meet a wide range of application requirements.

Low-cost, replaceable wear rings protect casing during normal operation.

Top centerline discharge design simplifies piping layouts, reduces piping strain, and makes pump self-venting.

Cast iron casing with integrally cast feet enables pump to be bolted to a housekeeping pad for sturdier installation and still allow back pullout without disturbing the piping.

Dry shaft design ensures shaft is never exposed to system fluid, eliminates need for expensive corrosion-resistant shaft, and simplifies sleeve and seal removal/ reassembly.

Easy-to-replace slip-on shaft sleeve facilitates seal maintenance in the field and lowers long-term maintenance costs.

Rear pullout design allows pump to be serviced without disturbing system piping.

KS Series Pumps

Vertical In-Line
Split Coupled

GPM: *40 - 12,000*
Head (ft): *10 - 380*
HP: *3/4 - 600*
SIZES: *1-1/2" — 14"*

Designed for optimum performance and ease of installation and maintenance. Ideal for HVAC and industrial applications.

The split coupler design permits changing of the seal without disturbing the motor or the piping.

The axial load is hydraulically balanced to increase bearing life, better pump efficiencies, and lower NPSH requirements.

The recirculating line flushes seal faces and extends seal life.

Optimum pump efficiency is achieved by close running impeller to casing clearances.

KV Series Pumps

Vertical In-Line
Close Coupled

GPM: *40 - 2,400*
Head (ft): *10 - 380*
HP: *3/4 - 100*
SIZES: *1-1/2" — 8"*

Designed for optimum performance and ease of installation and maintenance.

Ideal for HVAC and industrial applications.

Space saving design that doesn't require isolation pads.

Closed coupled design provides improved alignment and increased seal life.

The axial load is hydraulically balanced to increase bearing life, better pump efficiencies, and lower NPSH requirements.

The recirculating line flushes seal faces and extends seal life.

Optimum pump efficiency is achieved by close running impeller to casing clearances.

2400 Series Circulators

In-Line

GPM: 4 - 90
Head (ft): 2 - 46
HP: 1/10 — 1/2
SIZES: 3/4″ — 3″

1900 Series Pumps

Close Coupled
In-Line

GPM: 20 - 250
Head (ft): 10 - 160
HP: 1/4 — 7-1/2″
SIZES: 1-1/2″ — 2″

Close coupled compact design is energy efficient and installs anywhere in the piping layout.

Self-supporting design allows horizontal or vertical installation.

Pump and sealed ball bearing motor are maintenance-free

Rear pullout design and standard motor promote simple, easy service.

One seal and shaft sleeve fits all models, assuring superior parts flexibility.

SCX1700 Series Pumps

Stainless Steel
Close Coupled

GPM: 10 - 100
Head (ft): 25 - 135
HP: 1/2 — 2-1/2
SIZES: 1″ — 1-1/2″

1600 Series Pumps

In-Line

GPM: *20 - 200*
Head (ft): *10 - 68*
HP: *1/4 — 3*
SIZES: *1-1/2" — 2"*

Rugged casing design has maximum operating pressure of 175 psi and a maximum operating temperature of 300°F. The 1600 Series is offered in cast iron stainless steel-fitted or all-stainless steel construction.

Permanently lubricated long-life bearing cartridge replaces conventional "wick" type bearing/bracket assembly. Single bearing cartridge services the entire product line.

One-piece enclosed impeller assures long life and higher pump efficiencies.

Standard mechanical seal assures maximum flexibility. One seal fits all models; several materials available.

Flexible coupler absorbs shock, vibration and misalignment that could be transmitted to the cartridge and motor bearings while also isolating and preventing any motor related noise or vibrations from being transmitted to the system.

Resilient mounted motor ensures quiet, reliable pump operation.

One bearing cartridge, one seal, and two motor frames fit all pump models, assuring superior parts flexibility.

121-138 Series Circulators

In-Line

GPM: *10 - 150*
Head (ft): *5 - 38*
HP: *1/4 — 1*
SIZES: *2-1/2" — 3"*

110-120 Series Circulators

In-Line

GPM: *5 - 65*
Head (ft): *2 - 22*
HP: *1/12 — 1/3*
SIZES: *3/4" — 2"*

Viridian®, Web-Enabled, High Efficiency Circulators

Wet Rotor, Variable Speed

GPM: 10 - 350
Head (ft): 5 - 46
HP: .027 — 2.175
SIZES: 1-1/2" to 3"

Viridian web connections are a snap.

A Viridian pump and iWorx® is a great combination.

Viridian® VR15 to VR30

- Up to 85% energy savings
- Internally sensed variable speed operation
- ECM motor
- Heating or cooling applications

Operating Modes:

- Constant Pressure Control (Δp-c)
- Variable Differential Pressure Control (Δp-v) - factory default
- Proportional Pressure Control
- Constant Curve Duty (uncontrolled pump)
- RPM Regulation
- Power Limitation

Viridian® VT2218 circulator is a temperature sensing, self-adjusting, variable speed wet rotor circulator with an ECM permanent magnet motor. Operating modes include Delta-T differential temperature, 4 fixed speeds, set point heat, set point cool and boiler protection.

- Δ-T operation can save hundreds in fuel costs
- The only temperature-sensing pump in its class
- High-efficiency ECM motor uses up to 85% less electricity
- 5 operating modes for maximum application flexibility
- Big, bright LCD screen
- Innovative BIO Barrier® protects the pump from system contaminants

Viridian® VR1816 circulator is an infinitely variable speed, high efficiency wet rotor circulator with an ECM permanent magnet motor. Operating modes include infinitely variable fixed speed and self-adjusting constant pressure or proportional pressure variable speed.

- High-efficiency ECM motor uses up to 85% less electricity
- Infinitely variable speed settings to fine tune flow for any system
- Six pressure presets to fit the job
- 5 color LED displays
  - operating mode
  - error code diagnostics
- *Sure Start* automatic unblocking and air purging mode

Viridian® VR3452 is a high efficiency wet rotor circulator for chilled and hot water applications. Settings easily managed with a user-friendly interface. The permanent magnet ECM motor saves up to 85% of the electrical energy compared to conventional pumps.

- High-efficiency ECM motor uses up to 85% less electricity
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night setback turndown
- Communication module (optional)

Plus Two Multi-Purpose Valve

Horizontal or Vertical installation

GPM: 20 - 10,000
SIZES: 1-1/2" — 14"

Five (5) Valves in one:

- Shut-off valve
- Flow Control Valve (Globe Style)
- Non slam check valve
- Flow Metering Valve
- Straight Pattern Valve can be converted to a right angle pattern valve

Low pressure drop (Equal to or better than any comparable valve on the market today)

Suitable for 125 and 250 PSI W.P.

Suction Diffuser Rear Strainer Pullout (RSP)

Suitable for 125 & 250 PSI W.P.

GPM: 20 - 10,000
SIZES: 1-1/2" — 16"

Integral cast straightening vane design ensures uniform flow to the suction inlet of the pump

Oversized Body Cylinder ensures minimal pressure drop

Removable Cover Plate and reusable "O" ring allows for easy access and maintenance of Permanent Strainer

Blow Down port allows for routine maintenance and removal of sediment and debris

Optional Magnetic Insert to trap small metallic particles

Specifically designed to serve the needs of commercial HVAC and industrial applications.

Accu-Flo Balancing Valve

Fixed Port Venturi Balancing Valve

GPM: 1/2 - 1000
SIZES: 1/2" — 4"

Flow measurement independent of stem and ball position.

Modified venturi flow measurement section ensures precise and consistent differential pressure readings.

Positive shut-off ball valve for service work.

Can be installed in any position

Tamper resistant memory stop

1/2" – 2" available in sweat and NPT connections.

2-1/2", 3" and 4" available flanged connections.

Plate & Frame Heat Exchangers

ASME designed and constructed

GPM: 50 - 7000
CONNECTION SIZES: 1" — 20"

Computerized product selection helps you choose the heat exchanger that's just right for your application. Their compact size and ease of servicing, coupled with Taco dependability, make the PF Series the perfect choice.

TFP & TMP Brazed Plate Heat Exchangers

ASME designed and constructed

GPM: 1 - 200
5" x 12" and 10" x 20"
CONNECTION SIZES: 3/4" — 2"

Rugged, reliable Taco Brazed Plate Heat Exchangers represent the latest technology in high-performance heat exchangers.

These compact units feature copper brazed, stainless steel plates that offer a highly-efficient, low fouling transfer service. All units have male pipe thread fittings and mounting stud bolts are standard.

Shell & Tube Heat Exchangers

Leak Guard, Double Wall
Steam to Liquid
Liquid to Liquid

CONNECTION SIZES: 1" — 14"

4 - 30" diameter
Up to 10' long

Shell & Tube Heat Exchangers

U and Straight
Steam to Liquid
Liquid to Liquid

CONNECTION SIZES: 1" — 14"

4" - 30" diameter
Up to 10' long

CA Style
Expansion Tank

CX Style
Expansion Tank

PAX Style
Expansion Tank

CBX Style
Expansion Tank

CA Expansion Tanks

CAPACITY: 23 — 2,640 Gallons (90 -10,000 liters)

DIAMETER: 20" — 72"

HEIGHT: 29" — 160"

Field replaceable, heavy-duty butyl full acceptance rubber bladder removes easily for inspection.*

CX Expansion Tanks

CAPACITY: 8 — 92 Gallons (29 -171 liters)

DIAMETER: 14" — 24"

HEIGHT: 22" — 60"

Heavy-duty butyl rubber diaphragm expansion tank allows permanent separation of air and water.*

PAX Expansion Tanks

CAPACITY: 8 — 132 Gallons (30-500 liters)

DIAMETER: 14" — 24"

HEIGHT: 25" — 85"

Heavy duty partial acceptance rubber bladder design for potable water systems.*

CBX Expansion Tanks

CAPACITY: 4 — 212 Gallons (15-802 liters)

DIAMETER: 14" — 30"

HEIGHT: 15" — 86"

Molded rubber membrane allows permanent separation of air and hydronic system fluid. Field removable partial acceptance membrane design specifically developed for smaller heating and chilled water systems.*

EXPANSION TANK - CA STYLE

MODEL	VOLUME (LITERS)	VOLUME (GALLON)
CA90-125	**90**	**23**
CA140-125	**140**	**37**
CA300-125	**300**	**79**

EXPANSION TANK - CX STYLE

MODEL	TANK VOLUME (GALLON)	ACCEPTANCE VOLUME (GALLON)
CX30-125	**8**	**5**
CX42-125	**11**	**5**
CX84-125	**22**	**10**
CX215-125	**57**	**27**
CX254-125	**67**	**27**
CX300-125	**79**	**41**

EXPANSION TANK - PAX STYLE

MODEL	TANK VOLUME (GALLON)	ACCEPTANCE VOLUME (GALLON)
PAX30-150	**8**	**5**
PAX42-150	**11**	**5**
PAX84-150	**22**	**12**
PAX215-150	**57**	**31**
PAX254-150	**67**	**31**
PAX300-150	**79**	**43**

EXPANSION TANK - CBX STYLE

MODEL	TANK VOLUME (GALLON)	ACCEPTANCE VOLUME (GALLON)
CBX30-125	**8**	**5**
CBX42-125	**11**	**5**
CBX84-125	**22**	**12**
CBX130-125	**34**	**19**
CBX170-125	**45**	**24**
CBX254-125	**67**	**34**
CBX300-125	**79**	**43**

4900 Series Air & Air/Dirt Separators

ASME designed and constructed

GPM: 0 - 30,000
CONNECTION SIZES: 3/4" — 36"

Optional removable Heads and Pall Ring baskets (recommended on open systems)

Patent# 5, 123, 938

Micro Air bubble removal to 18 Microns
Dirt particle removal below 30 Microns
Size range from 2" to 36" / W.P. at 125, 150 or 250 PSI.

5900 FlexBalance and 5900 FlexBalance~Plus Hydraulic Balancer

Designed, Manufactured and tested to ASME Section VIII, Div. 1

GPM: 0 - 1,500
CONNECTION SIZES: SIZES: 2" — 12"

5900 FlexBalance~Plus

5900 FlexBalance

Patented 5900 FlexBalance and FlexBalance~Plus Separators act as a hydraulic bridge between the primary and secondary circuits in hydronic heating and cooling applications.

The FlexBalance~Plus product line incorporates patented Pall Ring technology for deep micro-bubble and dirt removal.

ACT Tangential Air Separators

ASME #125 construction

GPM: 0 - 10,000
CONNECTION SIZES: 2" — 36"

Save money and extend the life of system pumps, piping and components with Taco ACT Series air removal units. The ACT air separator is designed and constructed to the ASME Boiler & Pressure Vessel Code, Section VIII, Division I for unfired vessels.

Air Separators

ASME #125 construction

GPM: 0 - 10,000
CONNECTION SIZES: 2" — 36"

Stainless steel removable strainer (optional) 375°F max. operating temperature Higher working pressures available.

4900 SERIES
AIR & AIR/DIRT SEPARATORS

MODEL	SIZE
4903AD-125	**3”**
4904AD-125	**4”**
4906AD-125	**6”**

AIR SEPARATORS
IN-LINE - MODEL AC

MODEL	PIPE SIZE
AC02F-125	**2” w/STRAINER**
AC025-125	**2-1/2”**
AC03-125	**3”**
AC03F-125	**3” w/STRAINER**
AC04-125	**4”**
AC04F-125	**4” w/STRAINER**

Note: All models are 125 psi & flanged

Proctor Sales Inc. – Manufacturers' Representative

BOILERS & WATER HEATERS

AERCO — Condensing boilers, semi-instantaneous gas/steam water heaters

Armstrong — Instantaneous water heaters, recirculation system temperature controls

B&W Babcock & Wilcox — Water tube and heat recovery boilers, steam generators

Bryan Boilers — Flexible water tube boilers, deaerators, and feed systems

De Dietrich Boilers — Eutectic cast iron boilers

Hurst Boiler — Fire tube, firebox, vertical tubeless, & hybrid boilers, and boiler accessories

Laars Heating Systems — Condensing and non-condensing commercial boilers and water heaters

Precision Boilers — Electric boilers, water heaters and tanks

Thermolec — Electric boilers

Weil-McLain — Cast iron sectional boilers, baseboard radiation

BURNERS & COMBUSTION CONTROLS

Beckett — Oil and gas fired burners

Siemens Combustion Control Solutions — Linkageless burners and combustion controls

tekmar Control Systems — Heating system controls (residential & commercial)

Riello — Burners - industrial and commercial alternative fuels ultra low NOx

weishaupt — High efficiency, low NOx burners - all fuels *(Oregon)*

VENTING ACCESSORIES

Schebler — Boiler breaching & stack, grease & engine exhaust ducts, heavy wall free standing stack

Tjernlund — Commercial ventilation and draft systems

PUMPS & HEAT TRANSFER

Engineered Air Airtex Radiant Systems — Radiant ceiling panels *(Alaska & Washington)*

Barnes — Submersible pumps

Canarius Corporation — Domestic water booster systems

Kelvion — Brazed plate heat exchangers

HOMA Pump Technology — Submersible pumps

Oventrop — Solar hot water systems, valves and controls

Runtal — Architectural radiant panels *(Alaska & Washington)*

Taco Comfort Solutions — Pumps, heat exchangers, and hydronic specialties *(AK, OR, Western WA)*

Tranter — The heat transfer people — Heat transfer equipment

MrPEX Systems — Radiant floor heating & hot/cold water systems

STEAM SPECIALTY & PIPING COMPONENTS

Armstrong — Steam traps, PRVs, condensate pumps

Flex-Hose — Flexible connectors, expansion joints, valves and strainers

Griswold Controls — Control valves, automatic flow controls and valve piping packages

JordanValve — Control valves, temperature and pressure regulators

Thunderline Link-Seal Modular Seals — Modular floor & wall seals, wall sleeves *(Oregon)*

Rovanco — Pre-insulated flexible and containment piping systems *(Alaska & Washington)*

Skidmore — Condensate return and boiler feed units

MISCELLANEOUS

Aermec air conditioning — Air & water cooled chillers and heat pumps; fan coils, VMF *(Alaska & Washington)*

Axiom — Glycol Feeders, Condensate Neutralizers *(Oregon & Washington)*

Ice Air — Water Source Heat Pumps, PTAC, Fan Coils

Marvair — Vertical unit ventilator, self-contained AC & heat pumps *(Alaska & Washington)*

Seasons 4 — Air Handling *(Alaska, Washington & N. Idaho)*

www.GoPSi.com (see reverse for locations)