

VI Vertical In-line Pumps



Quiet, dependable power and proven performance.

VI Series Pumps meet the latest standards for hydraulic performance and dimensional characteristics. Each is backed by Taco, Inc., a worldwide leader in heating and cooling equipment for more than seven decades.

Parts standardization and interchangeability for the VI Pump line results in reduced parts inventories and lower costs for multiple pump installations. An easy-to-replace, slip-on shaft sleeve facilitates seal maintenance in the field and lowers maintenance costs. The exclusive dry shaft design protects the pump shaft by eliminating contact between the shaft and the circulating fluid. Corrosion-resistant shaft materials are generally not required. VI Pumps also feature a standard seal flush line to vent seal faces and extend seal life. In addition, pressure tapplings on the suction and discharge flanges promote easy verification of pump performance.

Taco VI Pumps are ideally suited for a variety of applications, including heating, air conditioning, pressure boosting, cooling water transfer, and water supply.

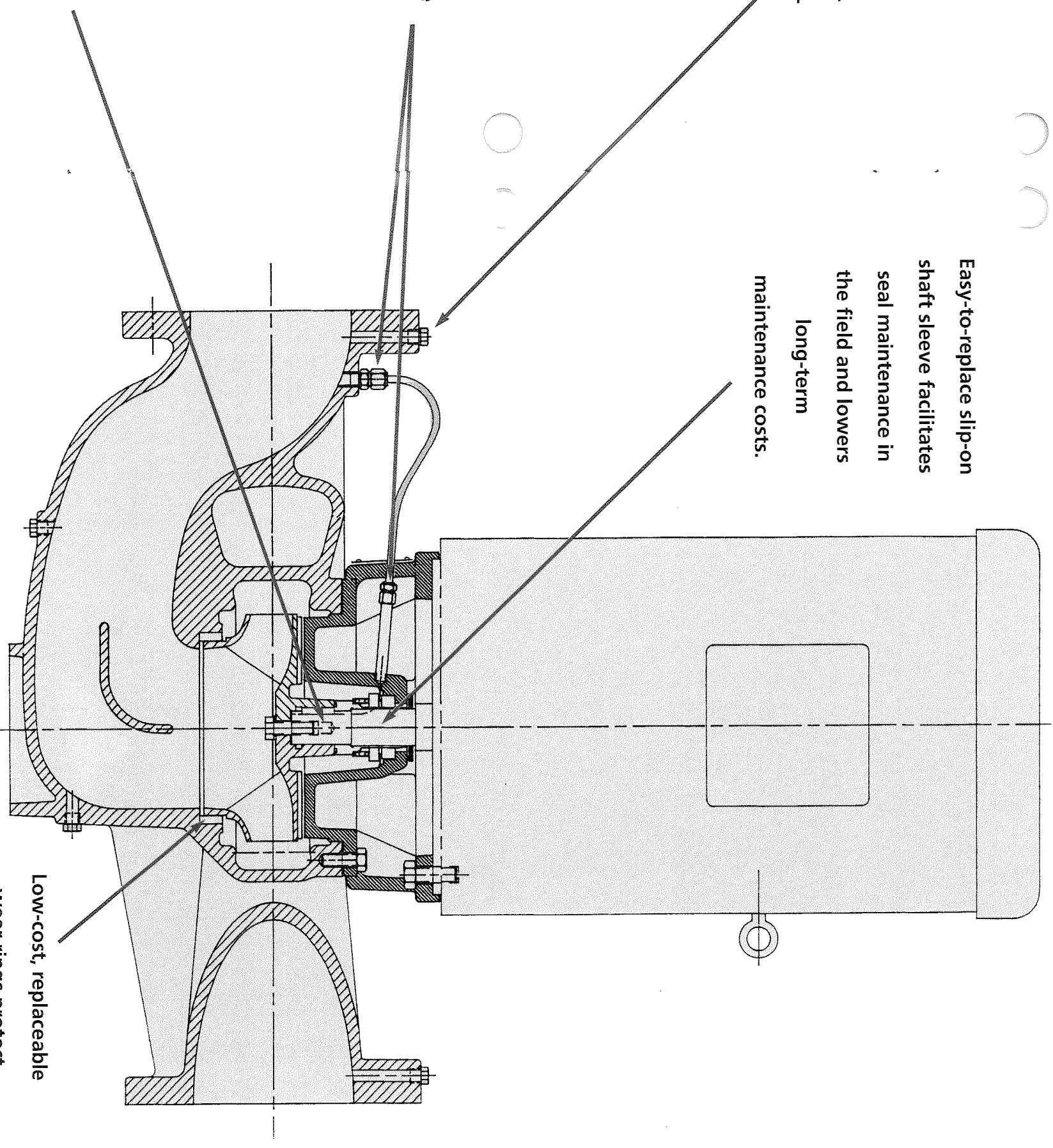
Pressure tapplings on suction and discharge flanges promote easy verification of pump performance.

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

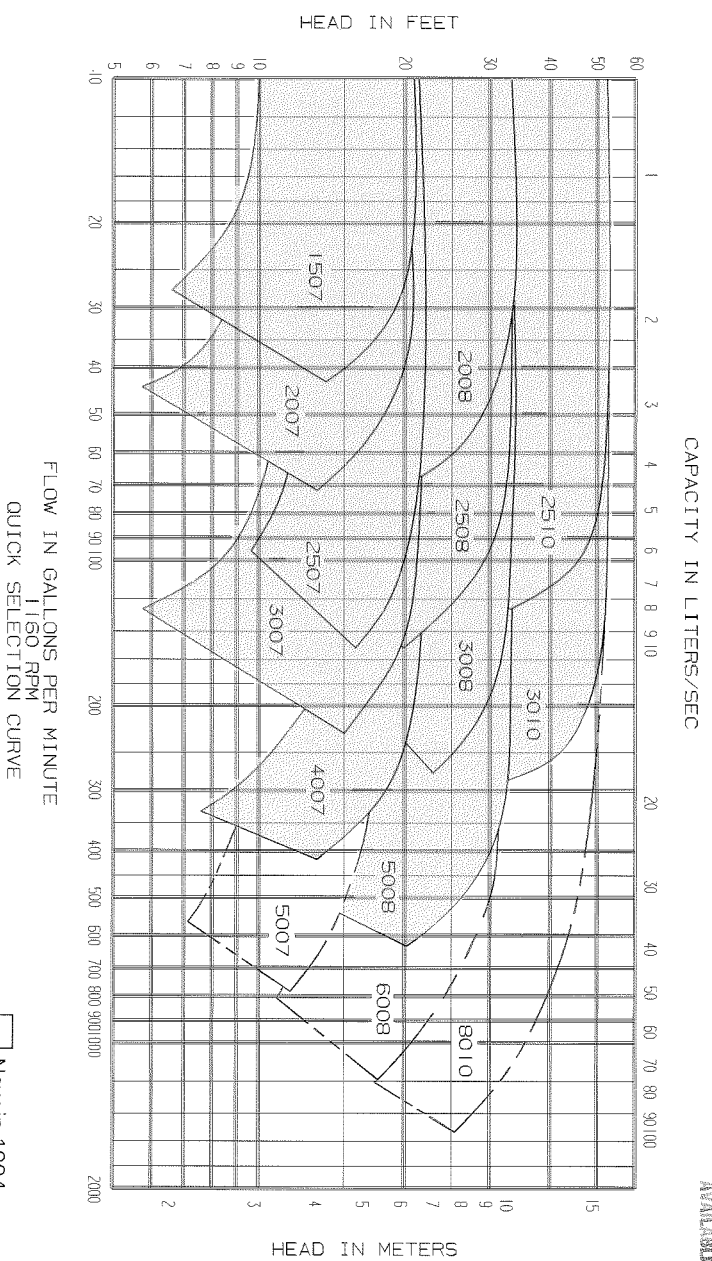
Standard seal flush line vents the seal face and extends seal life.

- DRY SHAFT DESIGN**
- Ensures shaft is never exposed to the system fluid.
 - Eliminates need for expensive corrosion-resistant shaft.
 - Simplifies sleeve and seal removal / reassembly.

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

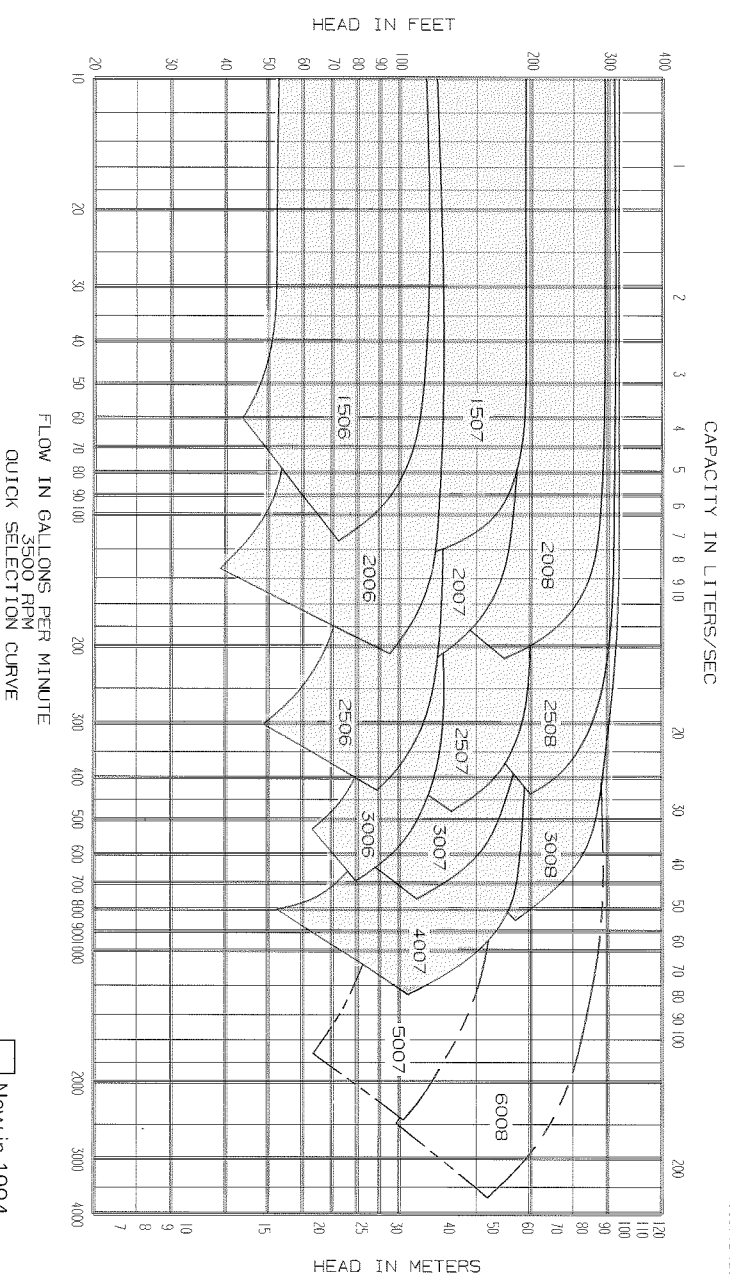


**VI SERIES PERFORMANCE
FIELD 1160 RPM**



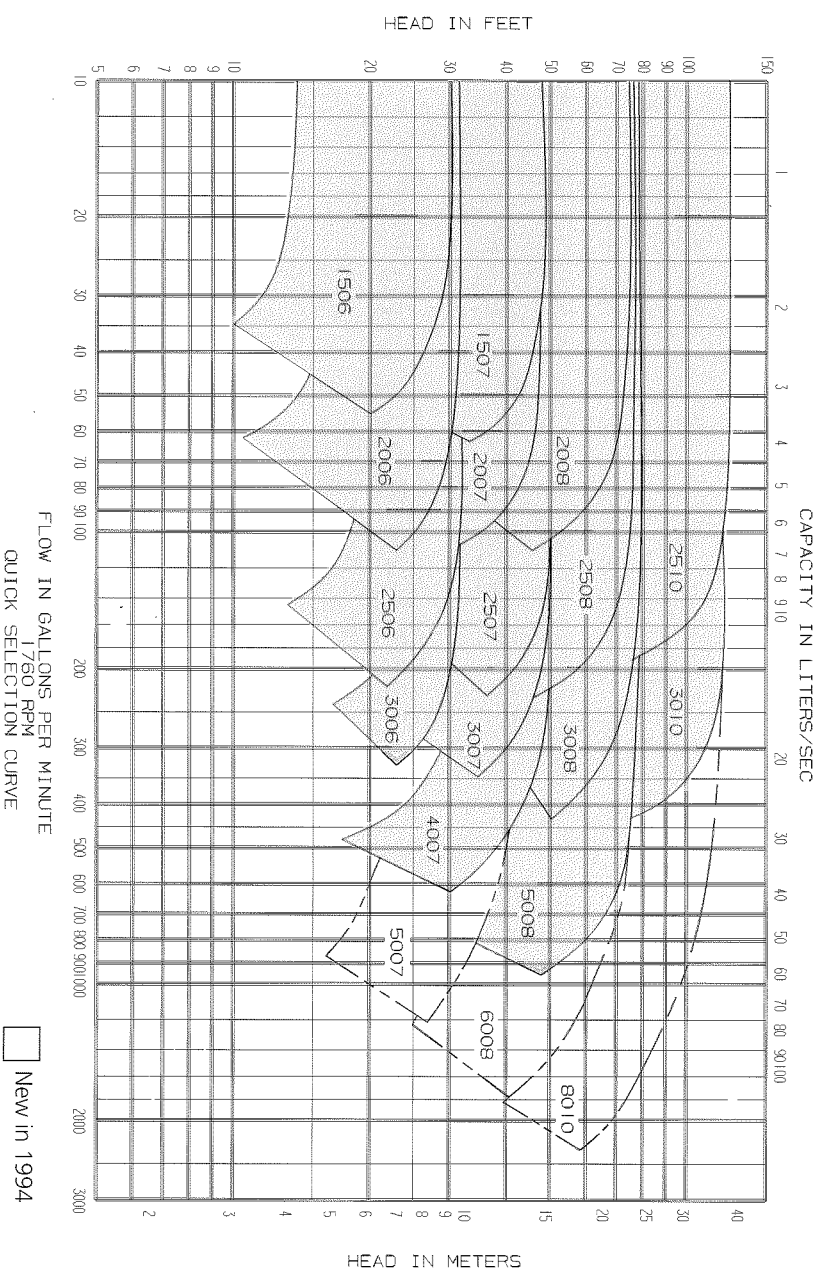
Tacomet
COMPUTER
AIDED
SELECTIONS
AVAILABLE

**VI SERIES PERFORMANCE
FIELD 3500 RPM**



Tacomet
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**VI SERIES PERFORMANCE
FIELD 1760 RPM**

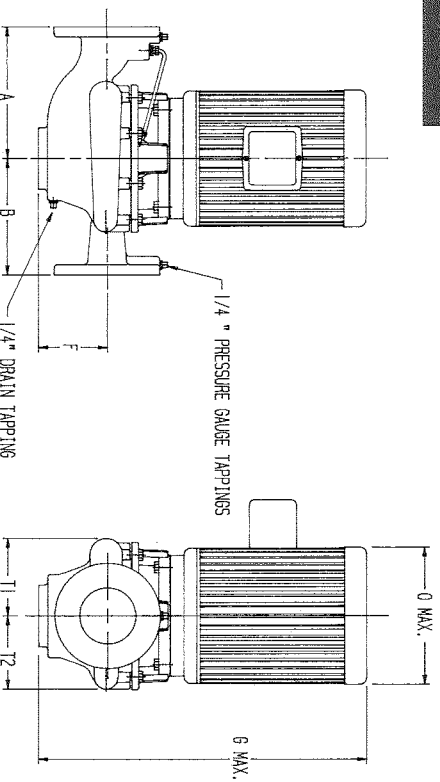


**VI PUMP MATERIALS
OF CONSTRUCTION**

Description	Bronze Fitted		All Iron	
	Standard*	Optional	Standard	Optional
Casing	Cast Iron ASTM A48 CLASS 35		Cast Iron ASTM A48 CLASS 35	
Impeller	Bronze ASTM B30 ALLOY 4A		Cast Iron ASTM A48 CLASS 35	
Wear Ring	Bronze ASTM B30 ALLOY 4A		Bronze ASTM B30 ALLOY 4A	
Shaft	Carbon Steel AISI 1045	Stainless Steel AISI 303	Carbon Steel AISI 1045	Stainless Steel AISI 303
Shaft Sleeve	Bronze SAE 660	Stainless Steel AISI 416	Stainless Steel AISI 416	
Mechanical Seal: Stationary Seat		Tungsten Carbide		Tungsten Carbide
Rotating Face	Carbon		Carbon	
Elastomer	Ethylene Propylene		Ethylene Propylene	
Spring	Stainless Steel		Stainless Steel	
Seal Flush Line	Copper		Copper	

*Standard Pump Construction

**VI SERIES
PUMP DIMENSIONS**

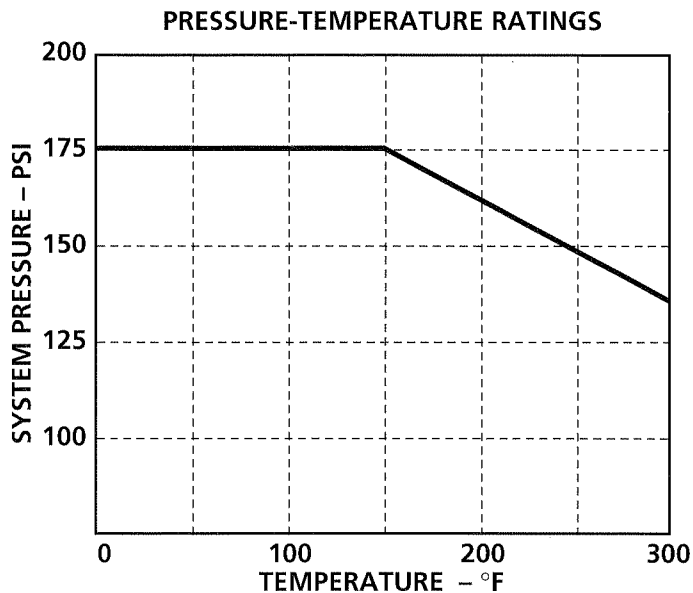


Series No. VI	MTR Frame Size	A	B	F	G MAX.	O MAX.	T1	T2	CONN
1506	143-145	6 ³ / ₁₆	5 ⁹ / ₁₆	3 ³ / ₈	17 ³ / ₁₆	7 ⁵ / ₁₆	4 ¹ / ₁₆	4 ¹ / ₄	1 ¹ / ₂
	182-184				21 ⁵ / ₁₆	9 ⁹ / ₁₆			
1507	143-145	6 ⁷ / ₁₆	6 ³ / ₁₆	3 ³ / ₈	17 ⁹ / ₁₆	7 ⁷ / ₁₆	5 ⁵ / ₁₆	5	1 ¹ / ₂
	182-184				21 ⁵ / ₁₆	9 ⁹ / ₁₆			
	213				23 ³ / ₁₆	11 ¹ / ₂			
2006	143-145	6 ¹ / ₂	5 ⁵ / ₁₆	3 ¹⁵ / ₁₆	17 ³ / ₁₆	7 ⁵ / ₁₆	5 ¹ / ₂	4 ¹ / ₂	2
	182-184				21 ¹³ / ₁₆	9 ⁷ / ₁₆			
	213				23 ¹³ / ₁₆	11 ¹ / ₂			
	254				29 ¹ / ₁₆	13 ³ / ₈			
2007	143-145	7 ⁹ / ₁₆	6 ³ / ₁₆	3 ¹⁹ / ₁₆	17 ¹ / ₂	7 ⁹ / ₁₆	5 ⁵ / ₁₆	5 ¹ / ₂	2
	145				19				
	182-184				21 ¹³ / ₁₆	9 ⁹ / ₁₆			
	213				23 ¹³ / ₁₆	11 ¹ / ₂			
	215				25 ⁵ / ₁₆				
2008	143-145	7 ¹¹ / ₁₆	6 ⁷ / ₁₆	3 ¹⁵ / ₁₆	17 ³ / ₁₆	7 ⁷ / ₁₆	6 ¹ / ₁₆	5 ³ / ₄	2
	145				19				
	182				21 ¹³ / ₁₆	9 ⁹ / ₁₆			
	213				23 ¹³ / ₁₆	11 ¹ / ₂			
	215				25 ⁵ / ₁₆				
2506	143-145	7	6 ³ / ₁₆	4 ¹ / ₈	30 ¹⁵ / ₁₆	13 ³ / ₈	5 ⁷ / ₁₆	4 ³ / ₄	2 ¹ / ₂
	145				17 ⁹ / ₁₆	7 ⁵ / ₁₆			
	184				19 ⁹ / ₁₆	9 ⁹ / ₁₆			
	213				22	11 ¹ / ₂			
	215				24	13 ³ / ₈			
2507	143-145	7 ¹ / ₁₆	6 ⁷ / ₁₆	4 ¹ / ₈	29 ¹ / ₁₆	13 ³ / ₈	6	5 ⁹ / ₁₆	2 ¹ / ₂
	145				17 ¹⁵ / ₁₆	7 ⁵ / ₁₆			
	182-184				19 ⁹ / ₁₆	9 ⁹ / ₁₆			
	213				22	11 ¹ / ₂			
2508	143-145	8 ¹ / ₄	7 ¹¹ / ₁₆	4 ¹ / ₈	25 ¹ / ₁₆	13 ³ / ₈	6 ⁵ / ₁₆	6	2 ¹ / ₂
	145				31 ¹ / ₁₆				
	182-184				31 ¹ / ₈				
	215				31 ¹ / ₁₆				
	254				33 ¹ / ₈				

* ODP Motor with drip cover

Series No. VI	MTR Frame Size	A	B	F	G MAX.	O MAX.	T1	T2	CONN
2510	145	9 ² / ₁₆	8 ²¹ / ₁₆	4 ¹ / ₈	17 ³ / ₁₆	7 ⁵ / ₁₆	7 ⁵ / ₁₆	6 ¹ / ₁₆	2 ¹ / ₂
	182-184				21 ¹³ / ₁₆	9 ⁹ / ₁₆			
	213				24	11 ¹ / ₂			
3006	145	9 ¹ / ₄	6 ⁷ / ₁₆	5 ¹ / ₈	25 ¹ / ₂	7 ⁵ / ₁₆	6 ¹ / ₂	5 ¹ / ₄	3
	145				18 ¹⁵ / ₁₆				
	182				20 ³ / ₁₆	9 ⁹ / ₁₆			
	215				26 ¹ / ₂	11 ¹ / ₂			
3007	143-145	9 ¹ / ₄	7 ¹¹ / ₁₆	5 ¹ / ₈	30 ³ / ₁₆	13 ³ / ₈	6 ¹ / ₂	5 ⁵ / ₁₆	3
	145				32 ¹ / ₂				
	182-184				18 ¹⁵ / ₁₆	7 ⁵ / ₁₆			
	215				20 ³ / ₁₆	9 ⁹ / ₁₆			
	254				26 ¹ / ₂	11 ¹ / ₂			
	256				30 ³ / ₁₆	13 ³ / ₈			
3008	145	9 ⁹ / ₁₆	8 ¹ / ₁₆	5 ¹ / ₈	32 ¹ / ₂	14	7 ³ / ₁₆	6 ³ / ₈	3
	182-184				34 ¹ / ₁₆				
	213				36 ³ / ₁₆				
	215				18 ¹⁵ / ₁₆	7 ⁵ / ₁₆			
	254				23	9 ⁹ / ₁₆			
	256				25	11 ¹ / ₂			
	256*				26 ¹ / ₂	13 ³ / ₈			
4007	145	10 ⁷ / ₁₆	8 ¹ / ₁₆	5 ³ / ₁₆	34 ¹ / ₁₆	14	7 ¹ / ₄	5 ⁷ / ₈	4
	182-184				34 ¹ / ₈				
	213				34 ¹ / ₁₆	14			
	256				34 ¹ / ₈	16			
	256				36 ³ / ₁₆				
	256				23	9 ⁹ / ₁₆			
	256				25	11 ¹ / ₂			
	256				26 ¹ / ₂	13 ³ / ₈			
5007	182-184	13 ¹ / ₂	11	8 ² / ₁₆	32 ¹ / ₂	16	8 ¹ / ₂	6	5
	213				34 ¹ / ₁₆				
	215				35 ¹ / ₁₆				
	254				37 ¹ / ₁₆				
	254				37 ¹ / ₈				
5008	213	13 ³ / ₁₆	10 ⁹ / ₁₆	6 ² / ₁₆	38 ³ / ₁₆	16 ¹ / ₂	8 ¹ / ₂	6 ³ / ₈	5
	215				40 ⁷ / ₁₆				
	254				26 ³ / ₁₆	11 ¹ / ₂			
	254				28 ⁷ / ₁₆	13 ³ / ₈			
	256				31 ³ / ₁₆	13 ³ / ₈			
	256				33 ⁷ / ₁₆	14 ¹ / ₂			
6008	213	15 ¹ / ₂	14	9 ¹ / ₄	33 ⁷ / ₁₆	16 ¹ / ₂	10 ¹ / ₂	7 ⁷ / ₈	6
	215				30 ¹⁵ / ₁₆				
	254				31 ³ / ₁₆	13 ³ / ₈			
	254				35 ²⁷ / ₁₆	13 ³ / ₈			
	256				37 ¹⁹ / ₁₆				
	284				38 ³ / ₁₆				
	286				39 ¹⁹ / ₁₆				
324				40 ¹³ / ₁₆	16 ¹ / ₂				
8010	254	18	16	10	41 ²⁹ / ₁₆	16 ¹ / ₂			
	256				36 ³ / ₁₆	13 ³ / ₈	12 ³ / ₈	9	8
	284				37 ²⁷ / ₁₆				
	286				38 ¹ / ₁₆				
	286				39 ²⁷ / ₁₆				
	324				40 ²³ / ₁₆	16 ³ / ₄			

* ODP Motor with drip cover



OPERATING SPECIFICATIONS		
	Standard	Optional
Pressure	175 PSIG*	
Temperature: Mechanical Seal	250°F	300°F

Motors: All NEMA Standard (JM)

* In accordance with ANSI Standard B16.1 Class 125

ADDITIONAL OPTIONS	
Filters	Cuno 5 Micron
Separators	Kynar Cyclone Separator

TYPICAL SPECIFICATION

Furnish and install centrifugal in-line single stage pump(s) with capacities and characteristics as shown on the plans. Pumps shall be Taco model VI or approved equal.

Pump volute or casing shall be constructed of class 35 cast iron. The pump shall be fitted with replaceable bronze wear rings, drilled and tapped for gauge ports at both the suction and discharge flanges and for drain port at the bottom of the casing. The pump shall be capable of being serviced without disturbing system piping.

The impeller shall be bronze and hydraulically balanced by either back vanes or back wear ring and balancing holes. The impeller shall be dynamically balanced and shall be fitted to the shaft with a key.

The pump shall be close coupled to a NEMA standard JM regreaseable motor. The pump shall incorporate a dry shaft design to prevent the circulating fluid from contacting the shaft. The shaft shall be covered with a replaceable bronze (stainless steel) shaft sleeve.

The pump shall have a factory installed seal flushing line running from the seal area to the pump suction to insure removal of trapped air from the seal area, removal of sediment and cooling of the seal to extend seal life.

The pump seal shall be EPT Ceramic rated to 250°F (EPT Tungsten carbide rated to 300°F).



For more information about Taco products, call or write:

Taco, Inc. 1160 Cranston Street, Cranston, Rhode Island, USA 02920 401-942-8000 FAX 401-942-2360
 Taco, (Canada) Ltd. 1310 Aimco Boulevard, Mississauga, Ontario, L4W 1B2 416-625-2160 FAX 416-625-8616