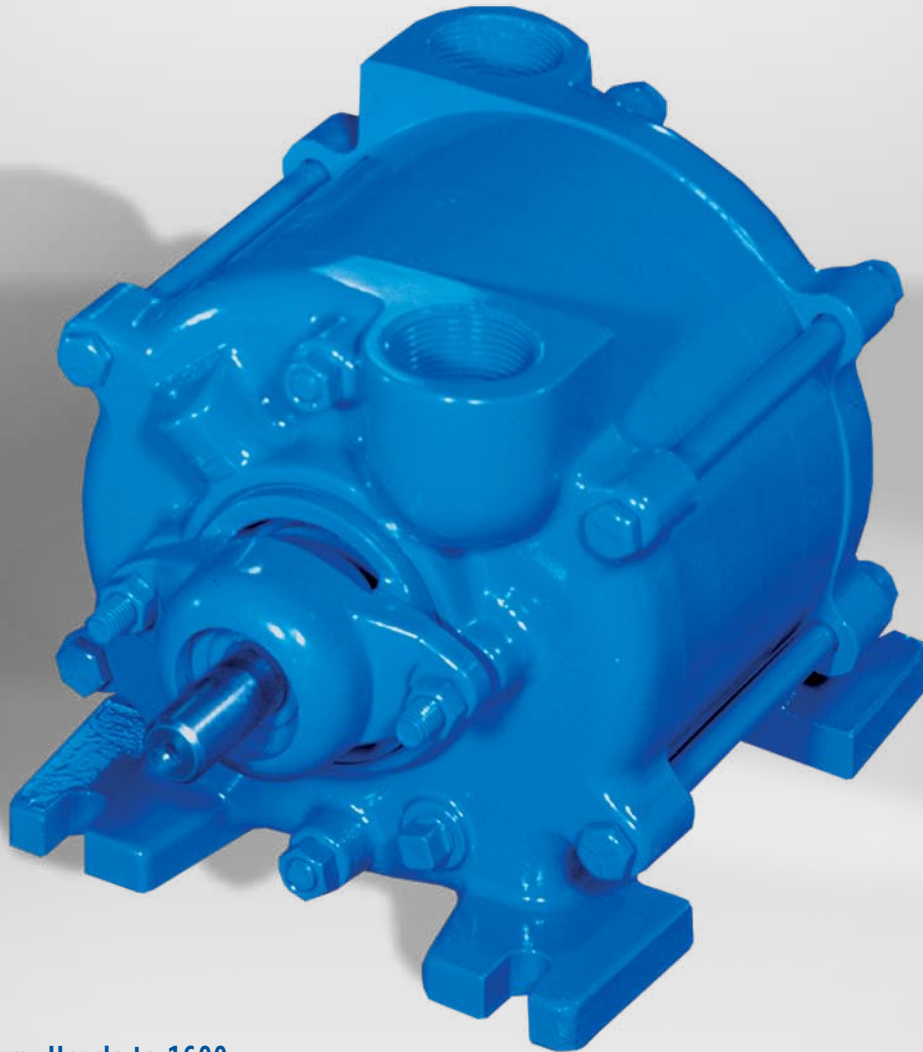


TYPE
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TURBINE PUMP



Capacities to 90 gpm, Heads to 1600 feet. Horsepower range 1/4 thru 50, 1750 rpm, with 1 1/4" and 2" discharge.

HIGHLIGHTS

-  Single, Two, Three or Four Stages
-  High Temperature Applications
-  Low Maintenance
-  Engineered for Long Life

FEATURES

TURBOFLEX FEATURES: Turboflex regenerative turbine pumps are engineered to provide long life, low-maintenance service for low-flow application involving moderate to high pressures such as boiler feed and similar uses. Available in single, two, three, or four stage models, Turboflex pumps offer these proven design features.

STEEP OPERATING CHARACTERISTICS: Near constant deliveries are maintained over wide variations in load.

NO VAPOR BINDING: Turboflex impellers are designed to handle up to 15 percent vapor in the liquid being pumped.

NO METAL-TO-METAL CONTACT: Turboflex clearances enable handling of non-lubricating fluids while maintaining adequate heads.

LOW HEAD REQUIREMENTS: Turboflex pumps have excellent NPSH characteristics, which makes them ideally suited for difficult applications.

MINIMUM SHAFT DEFLECTION: Provided by heavy-duty outboard bearing supports on both sides of the impeller.

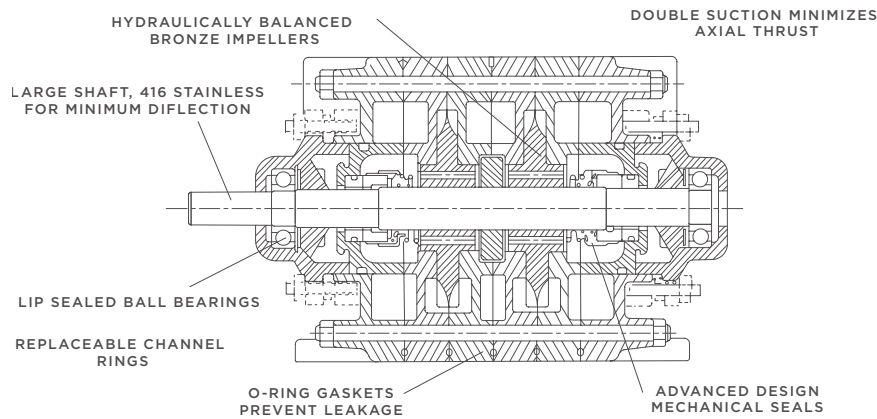
BALANCED RADIAL LOADS: On multi-stage Turboflex pumps, radial load equalization is designed into the pump.

DESIGN DETAILS: Standard Turboflex pumps are bronze fitted and have hydraulically balanced impellers, 1.5 inch stainless steel shafts, and corrosion-resistant seals throughout.

Crane type 21 mechanical seals incorporate EPR seals, NI-resist faces, and stainless steel components. These advanced seals permit elevated-temperature operation even with aggressive fluids.

Lip-sealed No. 207 ball bearings, on both inboard and outboard ends, operate within rugged cast-iron bearing supports, are permanently lubricated for maintenance-free long life.

Replaceable channel rings of 30,000 psi cast iron, and Buna "O" rings at all sealing points, contribute to trouble-free operation.



Selection Table

TOTAL DYNAMIC HEAD FEET - 1750 RPM

GPM	50	75	100	150	200	250	300	350
5	141D-.25-4	141D-.33-4	141E-.5-4	141F-.75-4	142E-1-4	142F-1.5-4	142F-1.5-4	143E-1.5-4
10	141F-.33-4	141G-.5-4	141G-.5-4	142F-.75-4	142G-1.5-4	1421-2-4	143G-2-4	1431-3-4
15	141H-.5-4	1411-.75-4	1411-1-4	142H-1.5-4	1421-2-4	1421A-3-4	1431-3-4	1441-3-4
20	141H-.5-4	1411A-1-4	1411A-1-4	1421A-2-4	1421A-3-4	1431A-5-4	1431A-5-4	1441A-5-4
25	1411A-.75-4	1411A-1-4	1421A-2-4	1421A-2-4	1511-3-4	151K-5-4	151L-7.5-4	151L-10-4
30	1411A-1-4	1511-2-4	1511-3-4	151K-5-4	151K-5-4	151L-7.5-4	151L-10-4	152K-7.5-4
35	151K-3-4	151K-3-4	151K-3-4	151K-3-4	151K-5-4	151L-7.5-4	152K-7.5-4	152K-7.5-4
40	151K-3-4	151K-3-4	151L-5-4	151L-5-4	151L-7.5-4	161G-10-4	162E-10-4	162E-10-4
45	161E-3-4	161E-3-4	161E-5-4	161F-5-4	161G-7.5-4	162F-10-4	162F-10-4	162G-15-4
50	151L-3-4	151L-3-4	151L-5-4	151L-5-4	161G-7.5-4	152L-10-4	152L-10-4	162G-15-4
55	151L-3-4	151L-5-4	151L-5-4	161G-5-4	152L-7.5-4	162G-10-4	162G-10-4	162G-15-4
60	151L-5-4	151L-5-4	161G-5-4	161G-5-4	162G-10-4	162G-10-4	162G-15-4	163G-15-4
65	161G-3-4	161G-5-4	161G-5-4	161G-5-4	162G-10-4	162G-10-4	163G-15-4	163G-15-4
70	161G-3-4	161G-5-4	161G-5-4	161H-7.5-4	161J-10-4	163G-15-4	163G-15-4	163G-15-4
75	161G-3-4	161G-5-4	161G-5-4	161H-7.5-4	161J-10-4	163G-15-4	164G-15-4	164G-15-4
80	161G-3-4	161G-5-4	161H-5-4	161H-7.5-4	161K-10-4	163G-15-4	164G-15-4	-
85	161G-3-4	161G-5-4	161H-5-4	161J-10-4	161K-10-4	164G-15-4	-	-
90	161H-3-4	161H-5-4	161H-5-4	161J-10-4	161K-10-4	-	-	-
95	161H-3-4	161H-5-4	161H-5-4	161J-10-4	161K-10-4	-	-	-
100	161H-3-4	161H-5-4	161H-5-4	161J-10-4	161K-10-4	-	-	-

Explanation of model numbers: Example: 141E-.5-4. The first digit of all pump models is "1". The second digit indicates the pump series (4, 5, or 6). The third digit indicates the number of stages (1, 2, 3, or 4 stages; the example is 1-stage). The Letter indicates pump size (the example is "E" size). The middle digits indicate motor horsepower (the example is .5 hp). The final -4 indicates 4-pole 1750 rpm.



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