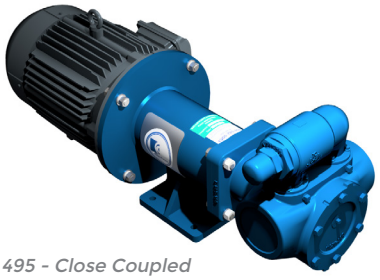
KelairPumps

CALL 1300 789 466

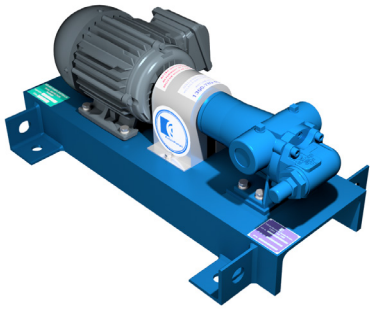
COMPACT MOTOR SPEED PUMPS
HEAVY DUTY SERIES 495, 4195

WHEN PUMP KNOWLEDGE MATTERS

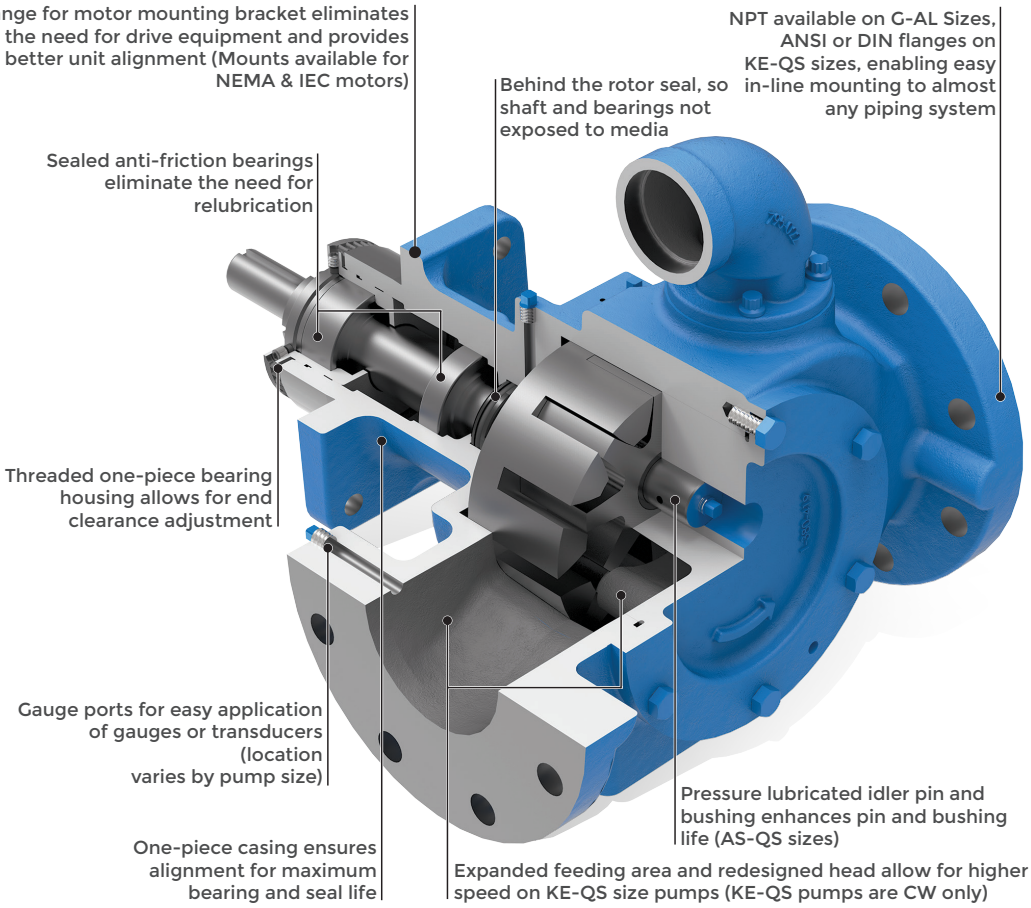
VIKING PUMP



495 - Close Coupled



4195 - Long Coupled



CAPACITY	PRESSURE	TEMPERATURE	VISCOSITY
to 132m³/h	to 17 BAR	to +150°C	1 to 3,300 cSt

Viking's Motor Speed series internal gear pumps represent a technological advance in the science of flow. Through new techniques of feeding the rotor and idler, Viking has achieved what was once considered impossible – high flow rates operating at motor speeds.

The largest sizes operate at reduced speeds, but still faster than other pumps of similar displacement. Higher speeds mean greater value, with the ability to move more fluid with a smaller pump.

This pump may be compact (as seen in the cut-away section above), but it is also heavy duty. Long term operational reliability has been catered for, in this tried and proven design over the past 60 years.

FEATURES & BENEFITS

- The most compact gear pump series available to fit tight space constraints
- High speed operation makes it the most economical pump option for thin to moderate liquids
- Heavy duty shaft and rotor support, means long-term reliability for low and high pressure service

TYPICAL LIQUIDS & APPLICATIONS

These Viking Motor Speed Series pumps are built for continuous or intermittent duty for applications such as:

- Filtering
- Circulating
- Transferring

- Genset day tank applications for diesel fuel transfer in low-rise or high-rise buildings
- They are well suited to lube oil applications in the refrigeration industry
- Suitable for high pressure compressor lube oil feed applications
- Ideal for low pressure diesel fuel burner feed
- Industrial, petrochemical and or other industries

- Pumps built with 316 Stainless Steel construction, carbon graphite bushings and PTFE mechanical seals are ideal for such liquids as solvents, alcohols and aggressive liquids.
- Also available in carbon steel for the oil & gas industry.

STANDARD PUMP CONSTRUCTION OPTIONS

Casing:	Cast Iron (standard)
Rotor:	Cast Iron or Ductile Iron
Shaft:	Steel
Idler Bushing:	Carbon Graphite
Mechanical seal:	Viton for fuels, oils, and chemicals / Neoprene for ammonia or refrigerant service Teflon for aggressive chemicals

ADDITIONAL BENEFITS

- Maximum flow of 132m³/h provides greater flow than similar sized pumps
- Reduced footprint for space constrained applications
- Ability to operate 50 or 60 Hz synchronous motor speeds eliminates the need for gear reducers or gearmotors, reducing overall cost
- Reliability, quality and performance
- Heavy duty, robust design with sealed-for-life bearings; no lubrication required

SPECIFICATIONS

Model Number	[1]Standard Ports		Nominal Pump Rating (20 cSt & below) 50 Hz		[3]Maximum Differential Pressure	[5]Maximum Hydrostatic Pressure
	Port Size	Port Type	m3/h	RPM	BAR	BAR
G4195 / [2] G495	1 in.	NPT	1.5	1450	17	27
GG4195 / [2] GG495	1 in.	NPT	1.9	1450	17	27
H4195 / [2] H495	1½ in.	NPT	2.8	1450	17	27
HJ4195 / [2] HJ495	1½ in.	NPT	3.8	1450	17	27
HL4195 / [2] HL495	1½ in.	NPT	5.6	1450	17	27
AS4195 / [2] AS495	2½ in.	NPT	10	1450	17	27
AK4195 / [2] AK495	2½ in.	NPT	16	1450	17	27
AL4195 / [2] AL495	3 in.	NPT	22	1450	17	27
[4] KE4195	4 in. (100 mm)	[1] Flange	28	1450	10	20
[4] KKE4195	4 in. (100 mm)	[1] Flange	39	1450	10	20
[4] LQE4195	4 in. (100 mm)	[1] Flange	44	960	10	20
[4] LSE4195	4 in. (100 mm)	[1] Flange	67	960	10	20
[4] Q4195	6 in. (150 mm)	[1] Flange	104	750	10	20
[4] QS4195	6 in. (150 mm)	[1] Flange	132	640	10	20

[1] Flange ports are suitable for use with Class 125 ANSI (inch) or DIN PN-16 (mm) cast iron companion flanges or flanged fittings. Optional Class 250 or DIN PN-25/40.
[2] 495 models require motor mount bracket, do not have mounting foot. KE, KKE, LQE, LSE 4195 models have both mounting flange for motor bracket and a mounting foot.
[3] If suction pressures exceed 100 PSI (7 BAR), consult factory.
[4] These sizes can only operate in one direction (clockwise only).
[5] Maximum hydrostatic pressure for standard pump construction. Rating is dependent on seal, gaskets and ports.

We know the importance of choosing the right equipment to match your process. Whatever your pump requirements, we will help you achieve the best pumping solution.

When Pump Knowledge Matters