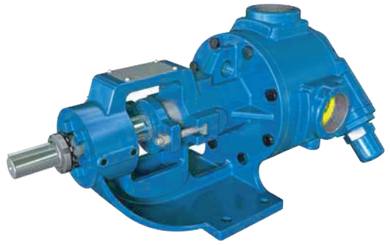
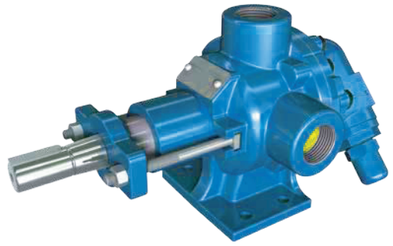
V SERIES
Internal Gear Pumps

A brand of Asco Pompe
Gear Pumps

- Max. Capacity: 390 m³/h
- Max. Differential Pressure: 14 bar
- Max. Viscosity: 450.000 cSt
- Temperature Range: -50 °C to +350 °C

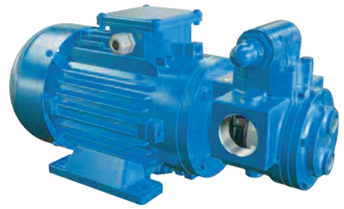


With Bracket Design



Without Bracket Design

High Speed Design



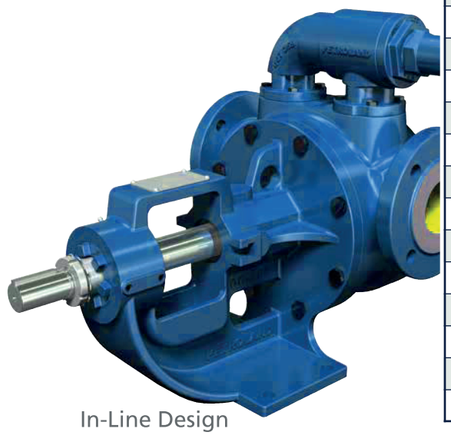
Mono-Block Design

Internal Gear Pumps are self-priming positive displacement pumps and they have reliable design with only two moving parts. Because of both direction properties, they are suitable for filling and discharge.

Internal gear pumps are used for low viscosity mediums (solvent, fuel… etc.) and high viscosity mediums (asphalt, chocolate, honey… etc.) with adjustable clearance. They can transfer the fluids, which viscosity is between 1 cSt - 450.000 cSt

FEATURES AND ADVANTAGES:

> Applications variety with 56 different case size
> Easy of usage and maintenance with only two moving parts
> Operating wide range of viscosity
> Can be used same pump for filling and discharge with both direction properties
> Cavitation possibility is less because of low NPSHr
> Can be apply many different material option (cast iron, ductile iron, steel or stainless steel)
> The pump design is suitable for every type of seal (Special design, lip seal, packing gland, single mechanical seal, double mechanical seal)
> The design is suitable for many applications
> The pump isn't effected any pressure drops in order to displacement feature
> Suitable for all kind of coupling (with motor, gearbox, v-belt)
> Connection type options, ANSI&DIN Flanged connection or BSP&NPT threaded connection
> They are more economical than rotary lobe pumps and screw pumps because can be applied only one seal
> Heating / Cooling jackets can be applied to cover, case or bracket
> The rotor case can rotate 360°
> Not required special tools for maintenance
> Connection design is adjustable 90° or 180°
> Self-priming is up to 720mbar
> Relief Valve can be applied to pump cover or case



In-Line Design

Model	Inlet / Outlet Size		Capacity (at Max. Speed)		Max. Speed (rpm)	Max. Differential Pressure	
	Inch	mm	m³/h	GPM		PSI	Bar
AS	½"	15	0.7	3	1750	100	7
A	¾"	20	1.5	6.5			
GL	1"	25	3.5	15			
FL	1 ½"	40	7	30			
B	1"	25	2.4	10		200	14
BM	1"	25	2.4	10			
TL	1"	25	2.4	10			
CL	1"	25	3.5	15			
H	1 ½"	40	3.5	15			
HM	1 ½"	40	5	22			
HL	1 ½"	40	7	30			
J	2"	50	11	50	1150		
JL	2"	50	17	75			
K	2"	50	19	85	900		
KL	2"	50	26	115			
S	2 ½"	65	36	160	750		
SL	2 ½"	65	52	230			
M	3"	80	52	230			
ML	3"	80	65	290	500		
N	4"	100	65	290			
NL	4"	100	113	495			
NM	5"	125	113	495			
P	5"	125	120	525	400		
R	6"	150	157	695			
Z	8"	200	267	1180	300		
ZL	10"	250	390	1720		125	8.5