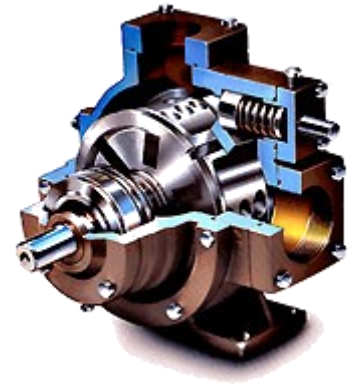


Xcelflo™

Rotary Vane Pump



XV Series

Rotary Vane Pump



Design Features

Xcelflo XV Series Rotary Vane Pumps with internal by-pass valves are self-priming and available in 2, 2.5, 3 and 4-inch port sizes with capacities up to 500 gpm (113 m³/h), and pressure up to 125 psi (8.6 bar). Standard elastomers include FKM O-rings. Optional Buna-N or PTFE elastomers are available. A wide range of mechanical seal components and a variety of vane materials are optional.

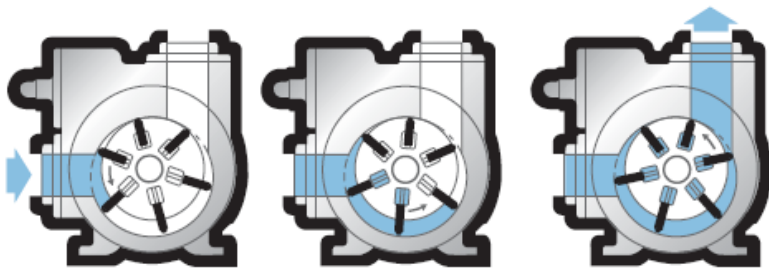
Adjustable relief valve protects pump from excessive pressure. Optional air operated relief valve offers easy hose and nozzle handling. T-type strainers are available to protect pumping systems from damage caused by welding slag and foreign matter in the piping and tanks.

Application

Xcelflo XV type pumps are commonly used in refineries, lube oil plants and general industry for processing, filling and transfer applications. Typical applications include fuel oils, lube oils, jet fuels, gasoline, edible oils and a variety of solvents and thinners such as esters, ketones, naphthas, ethers, amines, aromatics, alcohols, terpenes, glycols and many other similar liquids.

Benefits

Utilizing Xcelflo's unique sliding vane designs, these positive displacement rotary pumps offer the best combined characteristics of sustained high level performance, energy efficiency, trouble-free operation and low maintenance cost.



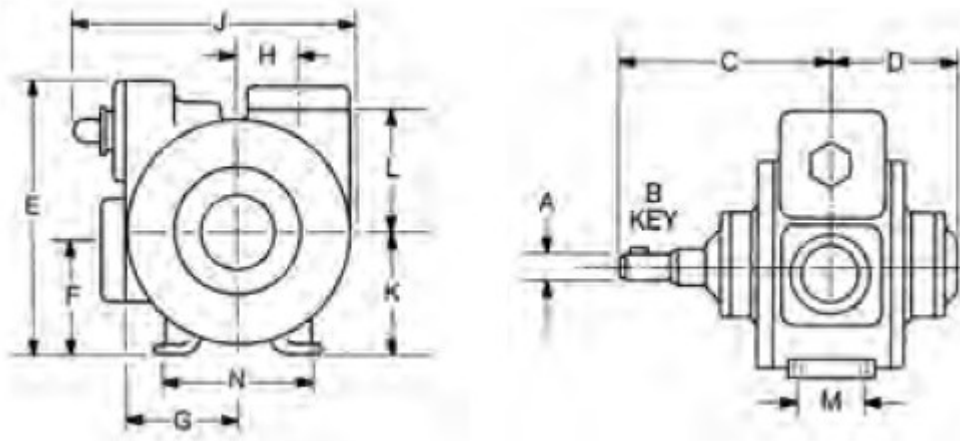


Performance Data

Model	Speed	650		600		550		500		450		400		Weight kg
	Size	Flow Rate, GPM - LPM												
XV-2	2"	80	300	72	270	64	240	56	210	48	180	40	150	30
XV-2.5	2-1/2"	132	500	123	456	114	430	103	390	93	350	82	310	37
XV-3	3"	265	1000	243	920	222	840	200	760	180	680	160	600	60
XV-4	4"							505	1900			405	1530	134

Maximum Operating Limit

Model	Nominal Flow Rate		Speed	Viscosity		Diff. Pressure		Working Pressure		Temperature	
	GPM	LPM	RPM	SSU	CP	PSI	BAR	PSI	BAR	°F	°C
XV-2	87	329	780	20000	4250	125	8.6	175	12.1	300	149
XV-2.5	157	594	780	20000	4250	125	8.6	175	12.1	300	149
XV-3	270	1022	640	20000	4250	125	8.6	175	12.1	300	149
XV-4	505	1900	500	20000	4250	125	8.6	175	12.1	300	149



Model	A*	B*	C	D	E	F	G	H	J	K	L	M	N
XV-2	1 1/8	1/4	203	137	221	89	102	38	248	102	105	41	127
XV-2.5	1 1/8	1/4	222	152	244	95	110	44	271	102	129	76	140
XV-3	1 1/8	1/4	244	165	310	117	127	64	340	137	133	64	152
XV-4	1 1/2	3/8	280	206	394	127	187	64	429	162	203	114	203

Standard dimension in mm. *Dimension in inches