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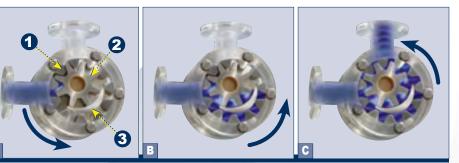
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WORKING PRINCIPLE

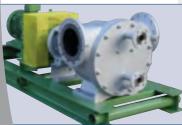


The R - internal gear pumps are self-priming positive displacement rotary pumps. Two gears generate the flow: the rotor **①** and the idler **②**. The rotor moves the internal idler. As the gears rotate, liquid is drawn into the spaces created between the gears and smoothly moved toward the discharge port, were the divider **③**, called crescent, closes the free space between the two gears. When the gears mesh, the liquid is slowly forced out of the pump. The result is a constant, smooth flow with no pulsations.

OPERATING RANGE

A Additives Adhesive Asphalt Bitumen Chemicals Chocolate Coal Tar Coatings Colours	Creosote Diesel Fuel Emulsions Epoxy resins Fats Foams Fuel oil Gasoline Gelatine	Glue Glycerine Glycol Grease Heat transfer oil Hot melt Ink Isocyanate Kerosene	Lube oil Mineral oil Molasses Naphtha Oil Paint Paraffin Petrol Pitch	Polyol Printing ink Resin Soap Starch Tar Varnish Viscose Wax	 With liquids of any viscosity and temperature, which can be corrosive, abrasive and dangerous for the environment. Used for transfer, dosing, processing, loading and unloading In chemical, ink, paint, construction, chocolate and citied active in profession and and
Cream	Glucose	Lacquer	Polymer	and many more Z	oil-industry, in refineries and storage facilities.

ADVANTAGES







The heating jacket around the casing allows a better and constant heating of the product where it is required: in the gears. Inspections can be done with the casing connected to the pipes. For temperature-sensible fluids it is available the heating jacket around the complete pump.







2

To optimise the installation of the pipes in existing or new plants, the casing can be rotated as required. On request also available with 180° (in-line) ports.



To easily dismount the mechanical seal from backside, a ball bearing cartridge is available on request.

Self-priming.

- The capacity is directly proportional to the rotation speed.
- Non pulsating constant flow, therefore no vibrations on fittings, valves or couplings.
- No foaming or churning of the liquid.
- Only one shaft seal or with magnetic coupling.
- Heating jacket around the casing in one cast 1.
- Full performance is available in either direction of rotation 2.
- The casing can be rotated and delivered with 90° or 180° (in-line) ports.
- Relief valve against over-pressure incorporated in the pump.
- Heavy-duty construction optimized for rare maintenance.



Friendly maintenance through the pump cover

VICTOR PUMPS

TECHNICAL DATA

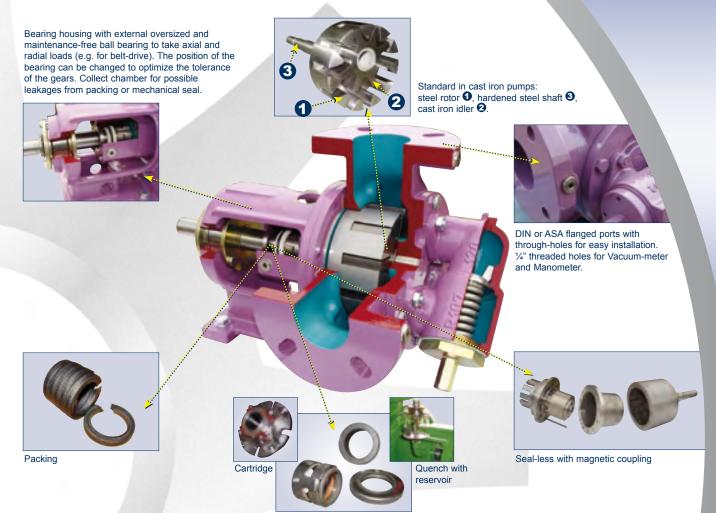


CAPACITY	up to 360 m ³ /h (6000 l/min)	T
PRESSURE	up to 16 bar	PI
VISCOSITY	up to over 100.000 mm ² /s (cSt)	PC

 TEMPERATURE from -60°C up to +300°C
 PRESSURE

 PRESSURE
 cast iron, ductile iron or stainless steel

 PORTS
 from DN40 to DN250



Mechanical seal also with quench, double mechanical seal also as cartridge

PERFORMANCES

TVDE	DODTO		00550	04040177	DEGUISES		WEIGUT
TYPE (I/rotation)	PORTS DN PN16	VISCOSITY	SPEED	CAPACITY	4 bar	POWER AT 8 bar	WEIGHT
· · ·	(inches)	mm²/s (cSt)	RPM	m³/h	kW	kW	kg
R 35 (0,043)	40 (1¼")	200 4000 25000	1450 720 450	3,7 1,9 1,2	1,4 1,2 1	1,7 1,4 1,2	18
R 40 (0,08)	40 (1¼")	200 4000 25000	1450 720 450	7 3,5 2,2	2 1,6 1,3	2,8 2 1,6	18
R 50 (0,22)	50 (2")	200 4000 25000	960 560 355	12,6 7,5 5	3 2,7 2,2	4,5 3,6 2,8	32
R 65 (0,48)	65 (2½")	200 4000 25000	720 450 280	20,5 13 8,3	5,6 5 3,6	8,1 6,6 4,6	50
R 80 (1,15)	80 (3")	200 4000 25000	560 355 224	38 25 16	7,9 8,1 6,7	12,4 11,1 8,6	84
R105 (2,25)	100 (4")	200 4000 25000	450 280 180	62 39 25	11,8 12,6 11,5	19,1 17,3 14,7	152
R151 (3,8)	150 (6")	200 4000 25000	400 315 200	90 73 47	15,5 21,6 19	26,2 30,3 24,8	215
R180 (6,8)	150 (6")	200 4000 25000	315 200 125	132 84 53	23,1 17,8 17,3	38,4 29,6 28,8	
R200 (14)	200 (8")	200 4000 25000	315 200 125	260 167 105	52,4 45,7 34,6	82,1 65 46,9	VICTOR
R250 (21)	250 (10")	200 4000 25000	280 180 112	350 230 140	65,9 61,3 46		PUMPS

- 1.
- 2.

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- 3.
- 4.
- 5.
- 6. Type of installation
- 7.
- 8. Temperature 9.
- 12 IMPORTAN ty pressure vid tion TONG T SEINUND
- 10. Running hours/day
- 11. Voltage
- 12. Frequency



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A 150 with heating jacker for coarter

R 35 with manual and for isocyanare

R

R 65 for paint