



BITUMEN



PUMPS FOR BITUMEN

V SPHTR POSITIVE DISPLACEMENT INTERNAL GEAR ROTARY PUMPS
FOR THE BITUMEN INDUSTRY

V SPHTR the solution for

PUMPING BITUMEN

Thanks to long term partnerships with bitumen plants and equipment manufacturers, Varisco has developed a long term expertise in bitumen handling applications.

Due to their mechanical and construction characteristics and their flexibility in handling different viscous and abrasive fluids, the Varisco positive displacement internal gear "V" pump has shown itself capable of handling bitumen and bitumen emulsions.

Full casing, cover and stuffing box with heating jackets special tolerances and specific machining clearances, robust over dimensioned base frames make the V SPHTR pump the perfect choice for moving most bitumen compounds.



V
SPHTR

V SPHTR PUMPS ARE SUITABLE FOR

transfer non-acid liquids (pH = 4,5 or more) even very viscous, abrasive, thick and shear sensitive.

PRODUCT GENTLE HANDLING

The V SPHTR pump is designed to prevent the pumped liquid from being squeezed, mishandled or stressed to avoid physical or molecular property modifications.

NO PUMP JAMS

Specific application clearances and heating jacketing systems prevent the pump from jamming due to product buildup inside the pump.

NO SEIZING OF THE PUMP

Ductile iron special treatments and bronze bushes prevent seizures of the pump.

Ductile iron on the full range except V25-2 and V30-2 models which are in cast iron

EASE OF MAINTENANCE

Simple design and easy access to the internal components allow easy and cost-effective maintenance.

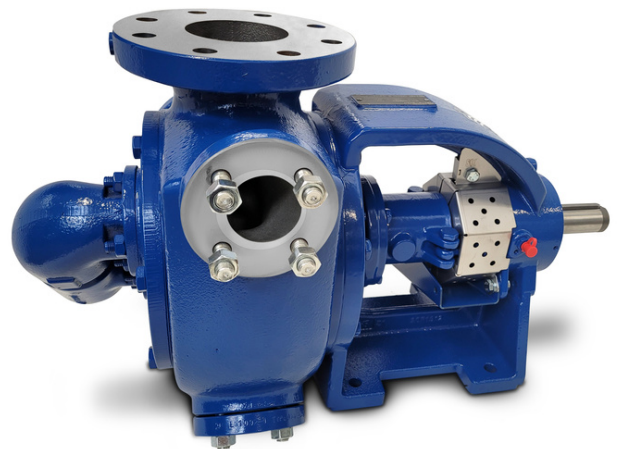
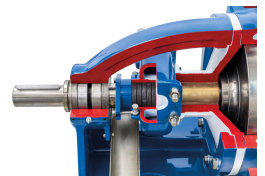
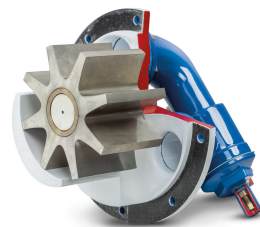
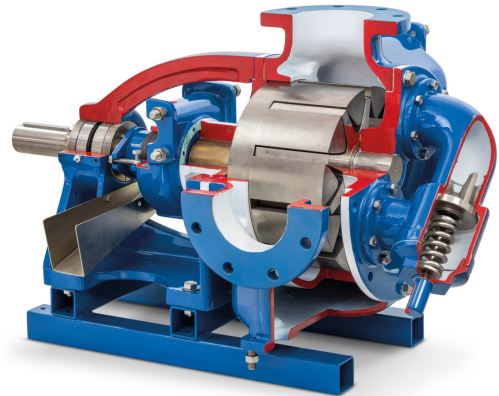
RELIABLE SOLUTION

Shaft sealing available with packing gland or triple lip seal (optional heating available).

TEMPERATURE ALWAYS UNDER CONTROL

Integral casted heating jackets around the pump casing and stuffing box ensure the temperature is steady and even (usually 150-170°C - max 300°C).

Heating for seal stuffing box available on the full range except V25-2 and V30-2 models.



- BITUMEN
- BITUMEN EMULSION
- ASPHALT PRODUCTION

- THERMAL INSULATION
- ACOUSTIC INSULATION
- BITUMEN ADDITIVES

- ROOFING SHINGLES
- COATINGS
- WATERPROOFING

- PITCH
- TAR
- HEAVY FUELS
- DIATHERMIC OILS

V SPHTR SERIES*

V SPHTR	Ports		Displacement	Max Capacity**	Max Pressure
Models	EN 1092-2 ANSI B16-1	ISO 228	lit/rev	lit/hr	bar
V25-2	40 - 1" 1/2	1" 1/4	0,045	2.300	16
V30-2	40 - 1" 1/2	1" 1/4	0,082	4.000	16
V50-3	50 - 2"	-	0,23	12.000	16
V60-2	50 - 2"	-	0,5	16.000	16
V70-2	80 - 3"	-	0,8	21.000	16
V80-2	80 - 3"	-	1,2	38.000	16
V85-2	100 - 4"	-	1,6	45.000	12
V100-2	100 - 4"	-	3,2	70.000	12
V150-2	150 - 4"	-	7,8	110.000	8

* V SPHTR SERIES is part of the Varisco internal gear positive displacement pumps range.
A wide range of models is available for other specific applications.

** The maximum capacity could vary according to the abrasiveness of the pumped product.



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