



**varisco**<sup>®</sup>  
solid pumping solutions

# PUMPS FOR FOOD AND BEVERAGE INDUSTRY

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STAINLESS STEEL PUMPS IN COMPLIANCE WITH EC REGULATION 1935/2004 -  
V SERIES

## V EC 1935/2004 PUMPS

In the evolving landscape of the food and beverage (F&B) sector, the demand for equipment that complies with unified hygienic standards is reshaping the construction and storage requirements for products and components used in food processing systems. In response to this shift, Varisco has expanded its range of positive displacement internal gear pumps to include a wide selection of stainless-steel models, all conforming to EC Regulation 1935/2004.



### Advantages:

- Gentle treatment of shear-sensitive fluids: transfer of the pumped product without crushing or mixing.
- Simple construction, sturdiness, long lifespan, low peripheral rotor speeds for greater reliability.
- Simple and quick access to rotating parts.
- Simple minimal maintenance. Inspections and adjustments can be performed without removing the pump, the pipes or the motor.
- Low NPIPr (NPSHr)

### CE 1935/2004

EU Regulation 1935/2004 lays down the general principles for the safety of materials and items intended to come into contact with food within the European Union (EU).

This regulation determines the requirements to ensure that materials and items do not transfer harmful substances to food in quantities that could endanger human health, alter the composition of food or deteriorate the organoleptic properties of food.

### CONFECTIONERY

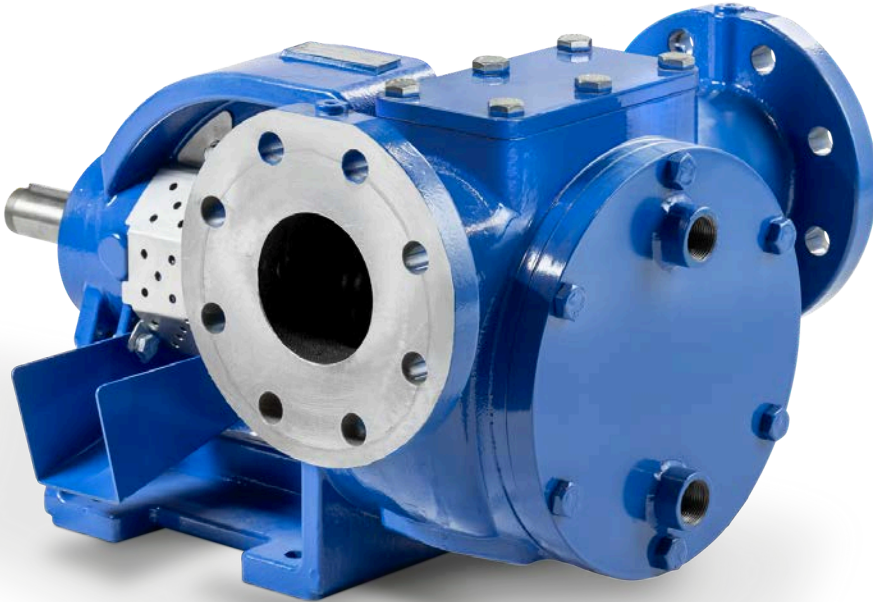
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- FRUCTOSE
  - GLUCOSE
  - MALTOSE
  - WHEAT SYRUP
  - CORN SYRUP
  - RICE SYRUP
  - BARLEY SYRUP

### FOOD INTERMEDIATES

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- THICKENERS
  - STABILISERS
  - EXCIPIENTS
  - FERMENTERS
  - PRESERVATIVES
  - SWEETENERS

### OIL MILLS

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- OLIVE OIL
  - CANOLA OIL
  - SUNFLOWER OIL
  - SOYA OIL
  - CORN OIL
  - COCONUT OIL
  - PALM OIL
  - PEANUT OIL
  - SESAME OIL
  - ALMOND OIL
  - WALNUT OIL



## PUMPS CHARACTERISTICS

### CF-8M stainless steel hardening (AISI 316 stainless steel)

Kolsterization on rotor, idler gear, cover and shaft. This treatment doesn't alter the stainless effect of the components; Kolstomerization is not a surface coating which could lead to contamination of the product due to the release of particles but a hardening process achieved by changing the surface atomic structure.

### Tungsten carbide pin, bushes, and mechanical seals with CE 1935/2004 certification

Pin, bushings, and mechanical seals are made of tungsten carbide with CE 1935/2004 certificate; tungsten carbide is a very hard material, specially used to drastically reduce wear and to prevent any contamination of the pumped product

### Heating chambers on cover and seal holder

·In order to check the temperature of the pumped fluid, this series of pumps has heating chambers on the cover and around the axial seal that can be supplied with water, steam or diathermic fluid.

Part Number	Pump CE 1935/2004 naming	Shaft	Casing	External rotor	Internal rotor	Mechanical seals	Elastomers	Bushings	Idler
4810083820	V 25-2M SPK+F+R2+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M			Widia CE 1935	Widia CE 1935
4810083755	V 25-2M SPK+R2+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M			Widia CE 1935	Widia CE 1935
4810083826	V 25-2M ST6WK+F+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M	Widia/Sic CE 1935	FKM CE1935	Widia CE 1935	Widia CE 1935
4810083800	V 25-2M ST6WK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M	Widia/Sic CE 1935	FKM CE1935	Widia CE 1935	Widia CE 1935
4810083747	V 30-2M SPK+F+R2+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M			Widia CE 1935	Widia CE 1935
4810083282	V 30-2M SPK+R2+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M			Widia CE 1935	Widia CE 1935
4810083425	V 30-2M ST6WK+F+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M	Widia/Sic CE 1935	FKM CE1935	Widia CE 1935	Widia CE 1935
4810083749	V 30-2M ST6WK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M	Widia/Sic CE 1935	FKM CE1935	Widia CE 1935	Widia CE 1935
4810083704	V 50-3M SPK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M			Widia CE 1935	Widia CE 1935
4810084100	V 50-3M ST6WK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M	Widia/Sic CE 1935	FKM CE1935	Widia CE 1935	Widia CE 1935
4810083636	V 60-2M SPK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M			Widia CE 1935	Widia CE 1935
4810084104	V 60-2M ST6WK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M	Widia/Sic CE 1935	FKM CE1935	Widia CE 1935	Widia CE 1935
4810084233	V 80-2M ST6WK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M	Widia/Sic CE 1935	FKM CE1935	Widia CE 1935	Widia CE 1935
4810084534	V 80-2M SPK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M			Widia CE 1935	Widia CE 1935
4810084687	V100-2M ST6WK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M	Widia/Sic CE 1935	FKM CE1935	Widia CE 1935	Widia CE 1935
4810084724	V100-2M SPK+R4+W2+X	Kolsterized duplex	CF8M	Kolsterized CF8M	Kolsterized CF8M			Widia CE 1935	Widia CE 1935



**Varisco S.r.l. - Atlas Copco Group**

Prima Strada, 37 - Z.I. Nord - 35129 Padova - Italy

Ph: +390498294111 Email: [export.varisco@atlascopco.com](mailto:export.varisco@atlascopco.com)

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