



SAXMAG V - NAMING OF BARE SHAFT PUMP (WITH SUPPORT S)

SAXMAG V S 80-2 A L K 320 +R1 +Y /

Space bar: separates the pump section (free shaft pump) from the assembly (motor / gearbox)
 Naming for SAXMAG VE setup (after space bar /): as per V pump naming

Construction variants and accessories:

+Y: Pressure relief valve - Calibration for standard pressures (from 1 to 8 bar for cast iron models - from 1 to 10 bar stainless steel models).
 +YH: High-pressure relief valve - Calibration for high pressures (from 9 to 16 bar cast iron models - from 11 to 14 bar stainless steel models).
 +F: Exclusive variant for V25-2 and V30-2 - casing with DIN PN 16 FF flanges (referring exclusively to the suction and discharge flanges - inquire for other connections). For SPHTR versions or those with the +R variant, only screwed flanges are available.
 +FA: Casing with EN 1092 type B flanges (referred exclusively to the suction and discharge flanges - inquire for other connections)
 +FAR: Casing with ANSI 125/150 RF flanges (referred exclusively to the suction and discharge flanges - inquire for other connections)

Heating jackets:

+R: Full jacketing around the pump casing (available only for cast iron pumps with 90° ports).
 +R1: Heating jacket on the magnetic driver
 +R2: Heating (or cooling) jacket on the cover (not available in combination with +EH)
 +R3: +R +R1 - only available for cast iron pumps with 90° ports; not available in combination with +EH
 +R4: +R1 +R2 (not available in combination with +EH)

Size/type of magnetic coupling expressed in maximum permissible torque values (Nm):

050: usable with pumps V 25-2 / V 30-3 / V 50-3
 110: usable with pumps V 50-3 / V 60-2
 180: usable with pumps V 50-3 / V 60-2 / V 70-2 / 80-2
 320: usable with pumps V 60-2 / 70-2 / V 80-2 / V 85-2
 550: usable with pumps V 70-2 / 80-2 / 85-2
 850: usable with pumps V 70-2 / V 80-2 / V 85-2 / V 100-2

G - Construction in cast iron with tungsten carbide bushings and shaft.
 K - Construction in CF-8M (stainless steel AISI 316) with tungsten carbide bushings and shaft.

L: 180° ports position (suffix for cast iron pumps only).
 No indication: Pump with standard ports position depending on the model and metallurgy (see specific model datasheets).

A - AD: Pump according to ATEX directive; A - gas; AD - gas/dust
 ATEX versions (A - AD) include the PT100 Ex thermoresistance (only sensor) on the SAXMAG magnetic coupling.
 No indication: standard pump (safe zone)

Pump model (size).
 Models available for SAXMAG version:
 V 25-2 / V 30-2 / V 50-3 / V 60-2 / V 70-2 / V 80-2 / V 85-2 / V 100-2

S: Pump with support and bearing for coupling with an elastic joint
 E: Pump assembled with an elastic joint with motor / gearmotor on a base

V: Internal gear pumps - V Series

SAXMAG: Magnetic coupling (magnetic drive) for V series positive displacement internal gear pumps
Main construction materials of the magnetic drive (not in contact with the fluid):
 - Pump casing: Cast iron
 - Cover: Cast iron or carbon steel (depending on the model)
 - External shaft: Carbon steel
Main construction materials of the magnetic drive (in contact with the fluid):
 - External magnet: Samarium cobalt
 - Glass: Stainless steel
 - Internal magnet: Samarium cobalt
 - Internal shaft: Stainless steel with ceramic coating
 - Internal shaft support: Tungsten carbide
 - Thrust bearing: Tungsten carbide
 - Screws: Stainless steel
 - Gaskets: Centellen

Key:

Highlighted backgrounds: always present in the naming

Unhighlighted backgrounds: construction variants and pump accessories