

CARATTERISTICHE GENERALI

MAIN CHARACTERISTICS



APPROVAZIONE ATEX PER USO IN ATMOSFERA ESPLOSIVA
ATEX APPROVAL FOR USE IN EXPLOSIVE ATMOSPHERES



INSTALLATION DATA	
Installation	Indoor or outdoor
Environment	Industrial, marine
Ambient temp. Min./max.	-25 °C (storage only) / 0 to 60 °C (operating) for different values contact Seim
"OPERATING DATA"	
Handled fluid	Hydraulic and Lube oils
Suggested inlet strainer filtration	400 µ for sizes up 072, 800 µ for 083 and bigger sizes
Viscosity range	10 to 1500 cSt
Pump speed	750 to 3600 rpm
Rotation (viewed from coupling end)	Clock Wise (Standard version); Counter Clock Wise on demand
TECHNICAL CHARACTERISTICS	
Design code	API 676 latest edition
Delivery flow	10 to 5400 lpm
Suction Pressure /max	MIN: as per NPSH chart @ pag. 21 / MAX: 10 barg for different values contact Seim
Delivery pressure	UP to 30 bar ≤ size 072 / UP to 20 bar ≥ size 083
Operating temperature range	0 to 70 °C; 120 °C max for different values contact Seim
Casing design / hydrotest press.	Standard 16 bar / 24 barg for different values contact Seim
Seal	Mechanical seal – API code USPFN for different values contact Seim
Bearing type	Radial ball on main shaft
Bearing lubrication	By pumped fluid
Driver type	VAC electric motor or Steam turbine for main and auxiliary service, VDC electric motor for emergency service
Driver shape	PCX > horizontal on foot IM1001 (B3) or direct coupled to secondary shaft PCXV > vertical flanged IM3011 (V1)
Inlet & Outlet Connection	Standard ANSI 150 B16.5 for different values contact Seim
Pressure relief valve	BUILT-ON pressure relief valve available on demand (internal or external recirculation) Deviation to chapter 3.4 on API676 required
MATERIALS	
Casing/Flanges	Carbon Steel or Stainless Steel for different values contact Seim
Screws	Nitrided Steel
Liner	Cast Iron GG25 or Carbon Steel
O-rings	Viton ®
Surface protection	Sand Blasting SA 2.5 + Inorganic Primer 75µ; Painting cycles on demand