

Lutz Horizontal Centrifugal Pumps

AM Series: Compact and versatile for small quantities

✓ **Small pump sizes, high performance**

The AM series achieves up to 180 l/min., max. 11 m delivery head with compact dimensions, densities up to 1.8 kg/dm³ and viscosities up to 20 mPas.

✓ **Dry running**

The „R“ version is suitable for limited dry running (Version WR and GF)

✓ **Corrosion resistant**

Version „N“ adequate for hypochlorite solutions, bromine and chromium compounds.

✓ **Low downtimes**

Version „X“ up to 5% solids possible.

✓ **Variable connection possibilities**

Various hoses, threads and flanges are possible.

✓ **Also suitable for combustible media**

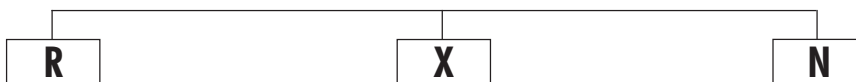
Design GX approved according to ATEX 100a.



Pump construction

- **Pump material**
WR: Polypropylene (glass fibre reinforced)
GF/GX: ECTFE (carbon fibre filled)
- **Bearing material**
 Carbon, ceramics, silicon carbide, Rulon®
- **Sealing of casing**
 Viton®, EPDM or Kalrez®

Bearing systems AM



Designed for dry running

Designed for dry running through the use of **HD carbon** slide bearings



Adequate for solids

Adequate for solids through the use of **silicon carbide** slide bearings

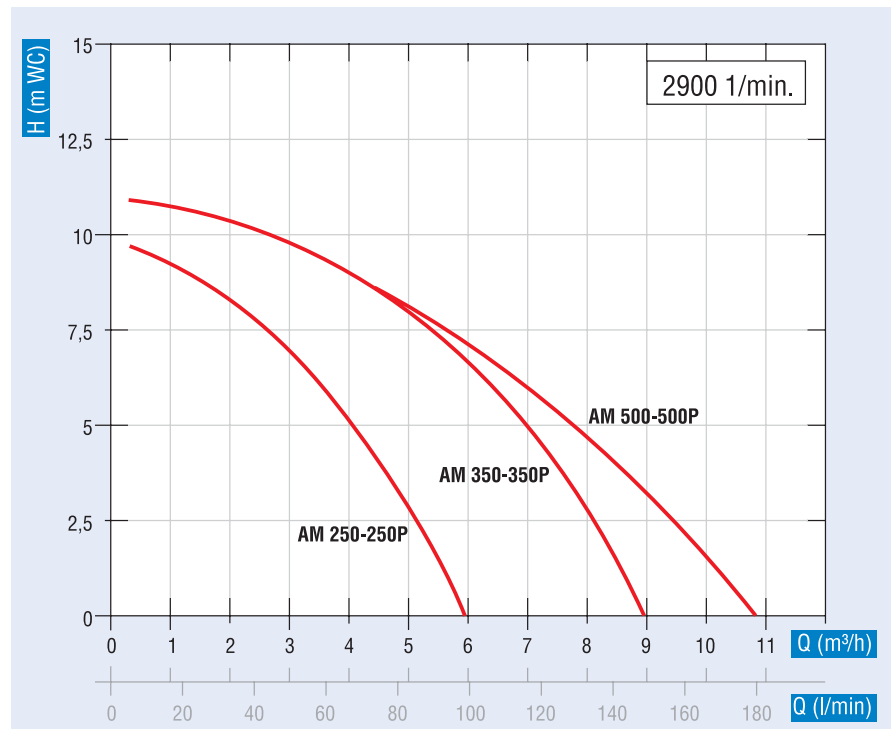



Corrosion resistant NEW

Adequate for hypochlorite solutions, bromine and chromium compounds through the use of **Rulon®** slide bearings

Performance curve

Single performance curve in 50 Hz and 60 Hz on request.



Type	WR			GF			GX	
Category 2 (acc. to Atex 100a)	no			no			yes 	
Volute casing	Polypropylene (glass fibre reinforced)			ECTFE (carbon fibre filled)			ECTFE (carbon fibre filled)	
Rear casing								
Centrifugal impeller								
Operating temperature	-5 up to +80 °C			-30 up to +110 °C			-30 up to +110 °C	
Environment temperature	0 up to +40 °C			-20 up to +40 °C			-20 up to +40 °C	
Bearing system	R ₁	X ₁	N ₁	R ₂	X ₂	N ₂	R ₂	N ₂
Guide bearing	HD-carbon	SiC	Rulon®	HD-carbon	SiC	Rulon®	HD-carbon	Rulon®
Shaft	ceramics			SiC			SiC	
Thrust ring	ceramics			SiC			SiC	
O ring	Viton® ¹⁾			Viton® ^{1) 2)}			Viton® ^{1) 2)}	
Screws	SS			SS			SS	

On request: ¹⁾EPDM and ²⁾FFKM (Kalrez®)

Technical data		AM 250	AM 250 P	AM 350	AM 350 P	AM 500	AM 500 P
Inlet-∅	BSP	G 3/4 IT	G 3/4 IT	G 1 OT	G 1 OT	G 1 1/4 OT	G 1 1/4 OT
Outlet-∅	BSP	G 3/4 OT	G 3/4 OT	G 1 OT	G 1 OT	G 1 1/4 OT	G 1 1/4 OT
Hose connector	mm	26	26	–	–	–	–
Inlet and outlet flange ISO	DN	–	–	25	25	32	32
Motor power (IEC) 50 Hz	kW	0.18	0.25	0.25	0.37	0.37	0.55
Motor	3-Phase 400 V / 50 Hz, IP 55 (1-Phase 230 V / 50 Hz)						

Special voltages on request Viton® and Kalrez® are registered Trademarks of DuPont Dow Elastomers. Rulon® is a registered Trademark of Saint-Gobain. OT = Outer thread IT = Inner thread