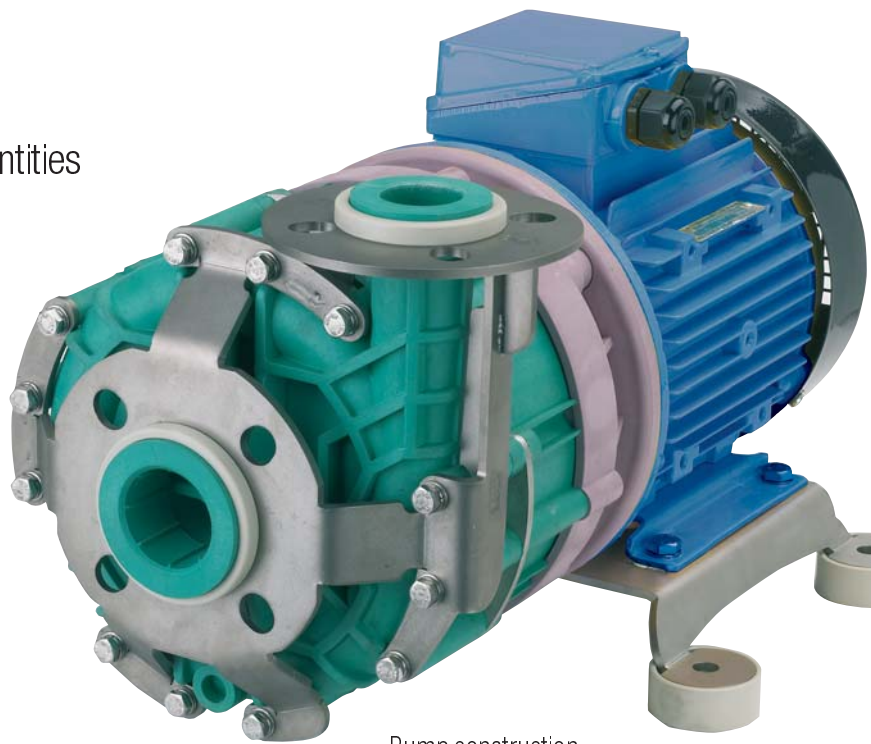


TMR G3 Series

Absolutely safe for dry running for large quantities

- ◀ Absolutely safe for dry running
The "R" version is suitable for dry running by means of a patented magnetic "two axial directions self-aligning system". (Version WR and GF)
- ◀ High performance
TMR range gives up to 48 m³/h and 42 m delivery head, covers densities up to 1.8 kg/dm³ and viscosities up to 150 mPas.
- ◀ High system availability
Due to the special design characteristics, the pumps can even be used under the heaviest conditions.
- ◀ Protection plate
Protects the pump housing against mechanical damage.
- ◀ Variable connection possibilities
Various threads and flanges are possible. (BSP, NPT, ISO, ANSI)
- ◀ Also suitable for combustible media
Design GX approved according to Atex 100a.



Pump construction

Patented two axial directions self-aligning system

SS armoured housing

Pump material

WR: Polypropylene (glass fibre reinforced)

GF/GX: ECTFE (carbon fibre filled)

Bearing material

HD-carbon, silicon carbide, Rulon, ceramics

Housing seal

Viton, EPDM or Kalrez

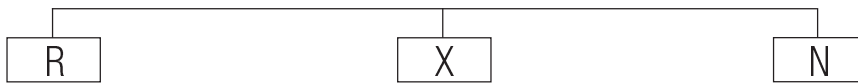
Drive magnet

Neodymium-Iron-Boron

EU-Patent No. 1152151

US-Patent No. 6,551,075

Bearing systems TMR G3



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

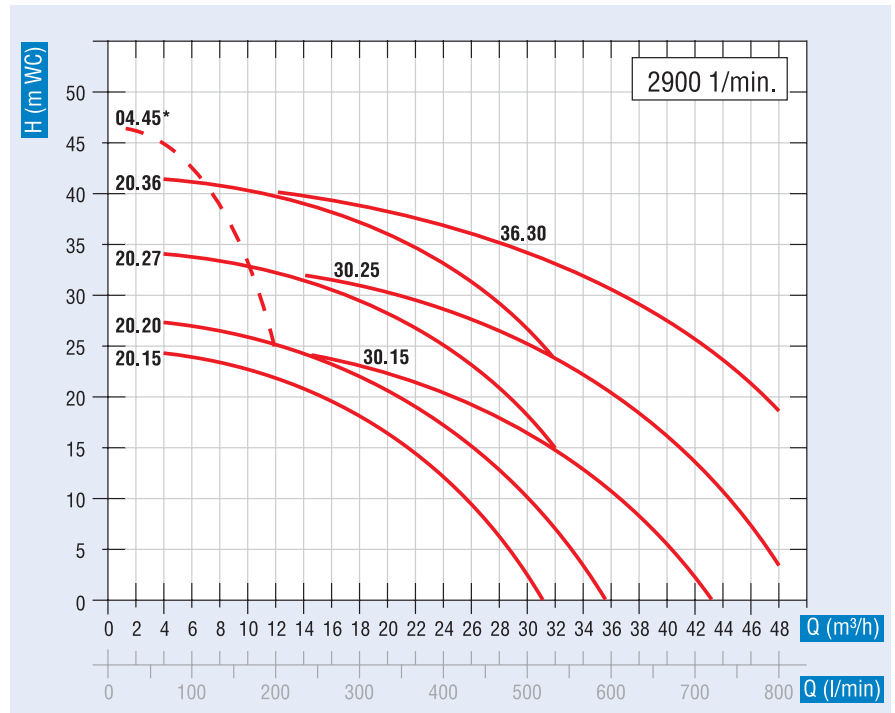
Adequate for hypochlorite solutions, bromine and chromium compounds through the use of **Rulon** slide bearings

TMR G3 Series

Technical Data

Performance curve

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



*Being prepared

Type	WR	GF	GX				
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
Guide bearing	HD-carbon	SiC	Rulon	HD-carbon	SiC	Rulon	HD-carbon
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		20.15			20.20			20.27			20.36			30.15			30.25			36.30		
Motor selection		N	P	S	N	P	S	N	P	S	N	P	S	N	P	S	N	P	S	N	P	S
Inlet	BSP	G 2 AG			G 2 AG			G 2 AG			G 2 AG			G 2 AG			G 2 AG			G 2 AG		
Outlet	BSP	G 1 1/2 AG			G 1 1/2 AG			G 1 1/2 AG			G 1 1/2 AG			G 1 1/2 AG			G 1 1/2 AG			G 1 1/2 AG		
Suction and pressure flange ISO	Suction (mm)	50			50			50			50			50			50			50		
	Pressure (mm)	40			40			40			40			40			40			40		
Density max.	kg/dm³	1.05	1.35	1.8	1.05	1.35	1.8	1.05	1.35	1.8	1.05	1.35	1.8	1.05	1.35	1.8	1.05	1.35	1.8	1.05	1.35	1.8
Power (IEC) 50 Hz	kW	2.2	3	4	3	4	5.5	4	5.5	7.5	5.5	7.5	-	4	5.5	7.5	5.5	7.5	-	7.5	-	-
Motor	3-Phase 400 V / 50 Hz, IP 55																					

Viton and Kalrez are registered Trademarks of DuPont Dow Elastomers. Rulon is a registered Trademark of Saint-Gobain.