

# TMR G2 Series

Absolutely safe for dry running for medium 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 30 m<sup>3</sup>/h and 30 m delivery head, covers densities up to 1.8 kg/dm<sup>3</sup> 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.

## ◀ 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

### Pump material

**WR:** Polypropylene  
(glass fibre reinforced)

**GF/GX:** ECTFE  
(carbon fibre filled)

### Bearing material

Rulon, carbon, ceramics,  
silicon carbide

### Housing seal

Viton, EPDM or Kalrez

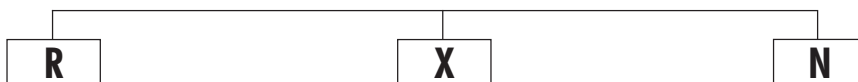
### Drive magnet

Neodymium-Iron-Boron

EU-Patent No. 1152151

US-Patent No. 6,551,075

## Bearing systems TMR G2



### 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**

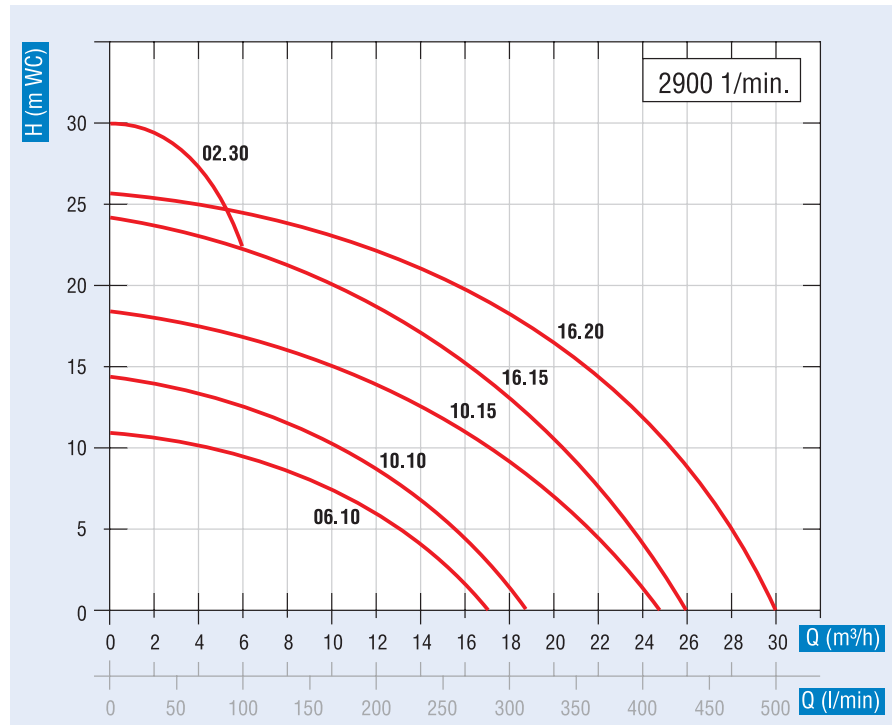
Adequate for hypochlorite solutions, bromine and chromium compounds through the use of **Rulon** slide bearings

# TMR G2 Series

## Technical Data

### Performance curve

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



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 <sub>1</sub>	X <sub>1</sub>	N <sub>1</sub>	R <sub>2</sub>	X <sub>2</sub>	N <sub>2</sub>	R <sub>2</sub>
Guide bearing	HD-carbon	SiC	Rulon	HD-carbon	SiC	Rulon	HD-carbon
Shaft	ceramics			SiC			SiC
Thrust ring	ceramics			SiC			SiC
O-ring	Viton <sup>1)</sup>			Viton <sup>1) 2)</sup>			Viton <sup>1) 2)</sup>
Screws	SS			SS			SS

On request: <sup>1)</sup>EPDM and <sup>2)</sup>FFKM (Kalrez)

Type TMR		06.10			10.10			10.15			16.15			16.20			02.30		
Motor selection		N	P	S	N	P	S	N	P	S	N	P	S	N	P	S	N	P	S
Inlet	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		
Outlet	BSP	G 1 1/4" AG			G 1 1/4" AG			G 1 1/4" AG			G 1 1/4" AG			G 1 1/4" AG			G 1 1/4" AG		
Suction and pressure flange ISO	Suction (mm)	40			40			40			40			40			40		
	Pressure (mm)	32			32			32			32			32			32		
Density max.	kg/dm <sup>3</sup>	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	0.55	0.75	1.1	0.75	1.1	1.5	1.1	1.5	2.2	1.5	2.2	3	2.2	3	-	2.2	3	-
Motor		3-Phase 400 V / 50 Hz / IP 55 (1-Phase 230 V / 50 Hz < 3 kW)																	

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