



# High Precision Mold Water Booster



# RBD

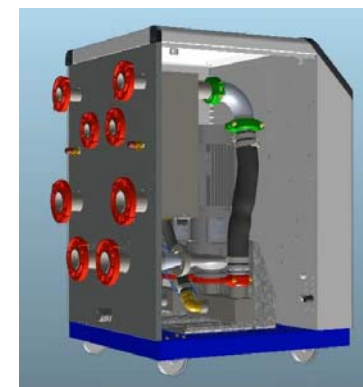


DOUBLE ZONE

50 Hz

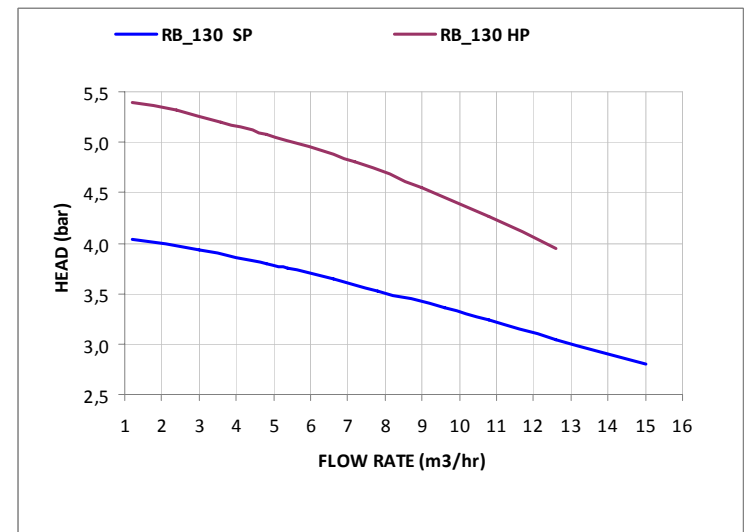
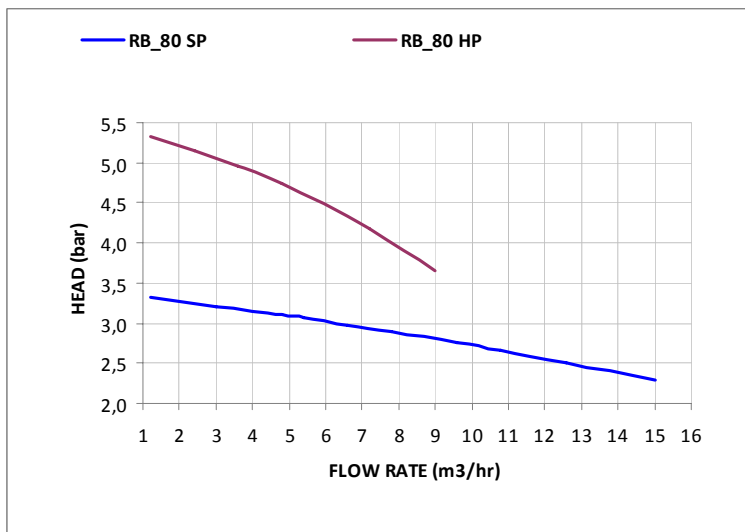
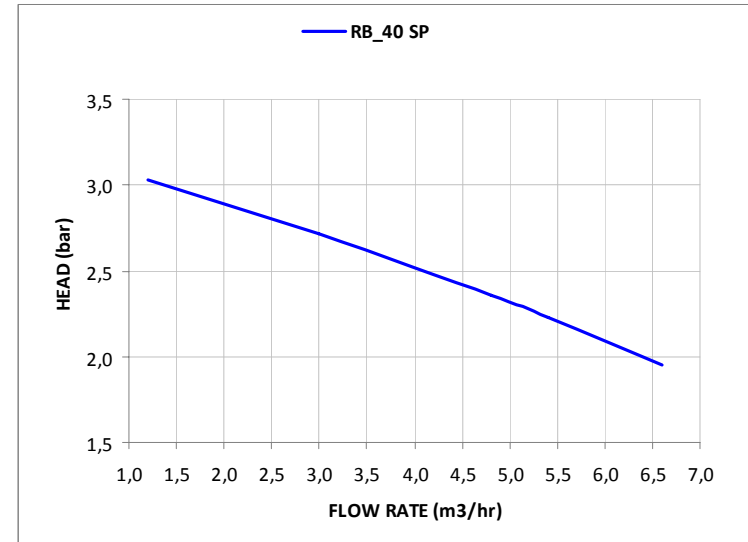
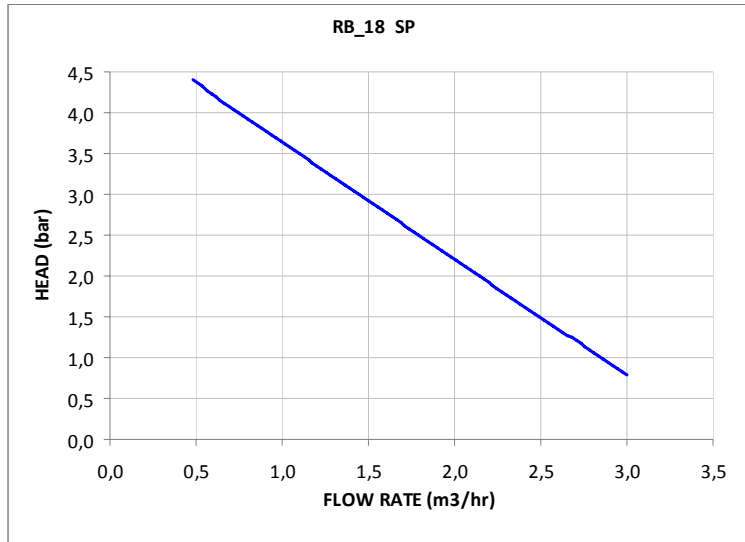
TECHNICAL DATA

Turbogel		RBD						
Model		18/12	40/12	80/12	130/24	210/24	450/48	
Heating capacity	kW	6+6			12+12		24+24	
Motorized Valve	flow Kv	1,0	2,5	4,0	6,3	16,0	22,0	
	diam	G 1/2"			G 3/4"	G 1 1/4"	G 1 1/2"	
Standard process pump (*)	kW	0,45	0,75	1,5	1,8	3	5,5	
High pressure process pump (*)	kW	-	-	1,5	2,2	5,5	7,5	
Total Max Electrical Load and FLA	with Standard pump (SP)	kW	13	14	16	28	31	60
		A	21	23	26	45	48	91
	with High pressure pump (HP)	kW	-	-	16	29	36	64
		A	-	-	26	47	57	99
Sound Level @ 10 mt.	dB (A)	< 42	< 42	< 42	< 42	< 42	45	
[*] Unit with two process pumps - Data for each pump				Power Supply : 400 Volt - 50Hz				



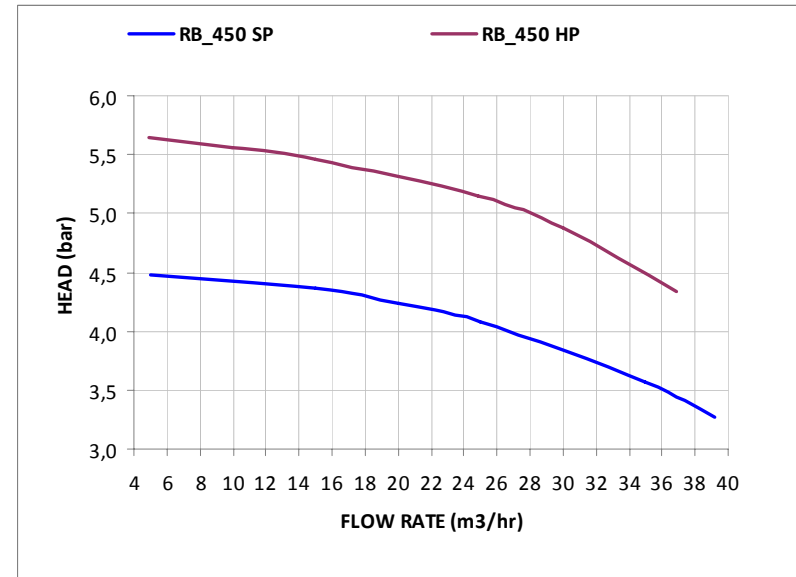
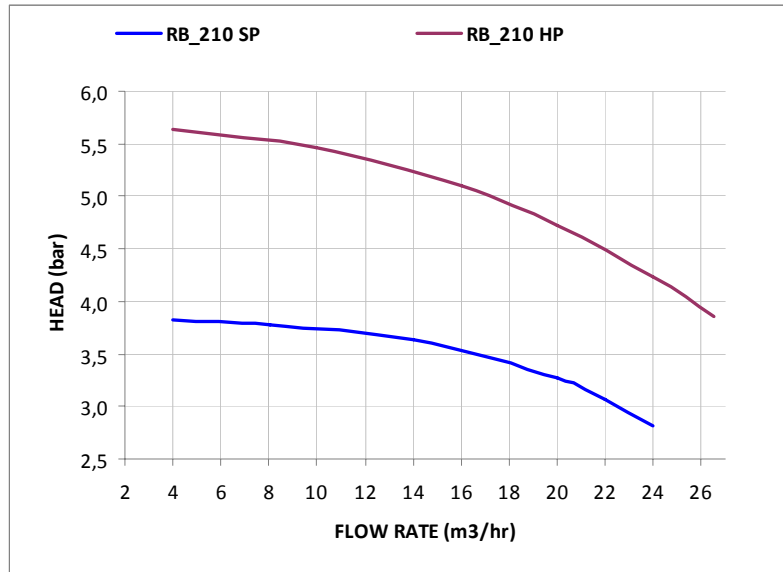
## Turbogel 50 Hz

## PROCESS PUMPS PERFORMANCE CURVES



## Turbogel 50 Hz

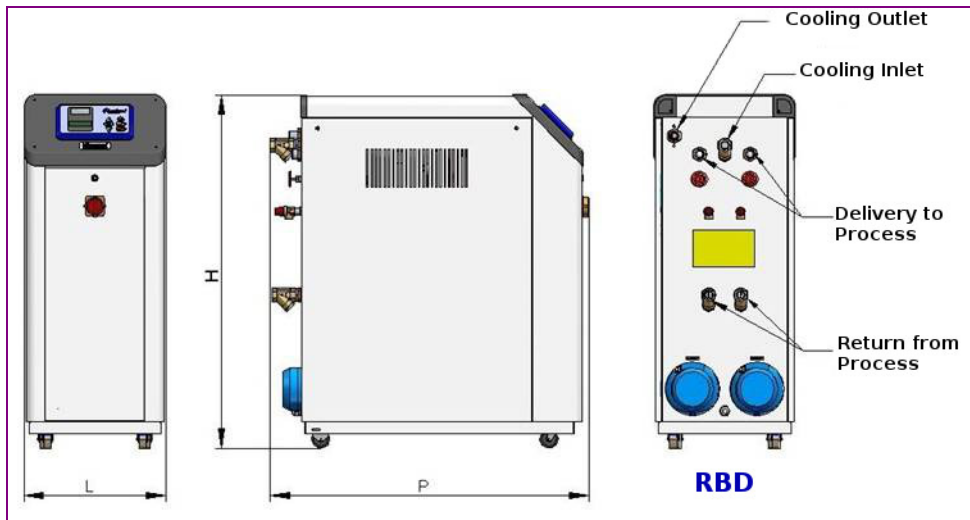
## PROCESS PUMPS PERFORMANCE CURVES



# RBD

## Turbogel 50 Hz DIMENSIONS

Turbogel		RBD					
Model		18/12	40/12	80/12	130/24	210/24	450/48
Width - L	cm	36	46			96	
Depth - P	cm	59	80			114	
Height - H	cm	84	95			147	
Process Connections	-	G 1"	2 x G 1 1/2"			2 x 3" Victaulic	
Cooling Connections	-	G 1/2"	2 x G 1"			2 x 2" Victaulic	
Net weight with SP pump	Kg	80	112	115	125	360	465
Net weight with HP pump	Kg			125	140	375	480
Filter on cooling return		included				optional	



## CONVERSION FACTORS

1 kW = 860 kcal/h  
 1 kW = 3415 BTU  
 1 TR = 12,000 BTU = 3,516 kW  
 1 CTR = 14000 BTU = 4,395

1 bar = 10 mH<sub>2</sub>O = 14.5 PSI  
 1 bar = 100 kPa = 0,1 MPa  
 10 PSI = 0.6895 bar



## Features and Accessories - TurboGel - ENG

<i>description</i>		<i>note</i>
Automatic Draining Kit	Optional	
Interface Kit for main protocols (RS 385, Profibus, Current Loop)	Optional	
Visual alarm kit	Optional	
Remote Monitoring (with PMR6G)	Optional	
Filter on cooling water inlet	Optional	from model RB_210 to 1800
Filter on water returning from process/mold	Optional	from model RB_210 to 1800
Automatic Loading	Included	
Cooling control with motorized modulating valve (one for each zone)	Included	
Process Pumps - Efficiency class IE2-IE3	Included	
Filter on cooling water inlet	Included	from model RB_18 to 130 (included)
Filter on water returning from process/mold	Included	from model RB_18 to 130 (included)
By-pass for pressure adjustment	Included	from model RB_18 to 130 (included)
Remote start / stop	Included	
Reading of inlet temperature (for each zone)	Included	
Reading of process supply and return pressure (for each zone)	Included	
Reading of inlet process flow (for each zone)	Included	
Calculated pressure differential and flow	Included	
Display messages in 12 languages	Included	
metric / IP system selectable	Included	
Audible alarm	Included	
Protection for High and Low Pressure Delta	Included	
Protection for interrupted Probe and / or short-circuit	Included	
Prolonged deviation of the set point warning	Included	
Info on latest 40 alarms	Included	
Pivotable moving wheels	Included	