

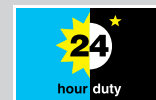
# Qdos 30 PROFIBUS pump with ReNu pumphead

**qdos30**  
Peristaltic Metering

Watson-Marlow Pumps

## FEATURES AND BENEFITS

- Flow rates 0.1 ml/min (0.001 USGPH) to 500 ml/min (7.93 USGPH) at 7 bar (100psi) RMS pressure
- ReNu pumphead provides accurate, linear and repeatable flow
- Fluid recovery ensures operator safety and avoids chemical waste
- Flow control 5000:1 with  $\pm 1\%$  accuracy
- Manual and PROFIBUS functionality
- PROFIBUS DP V0 allows real time communication with diagnostic feedback
- Bus speed 9.6 kb/s up to 1,500 kb/s
- 3.5" (88.9mm) colour TFT display providing pump feedback through colour, icons, graphics and text
- No valves or ancillary equipment required



*Watson-Marlow... Innovation in Full Flow*

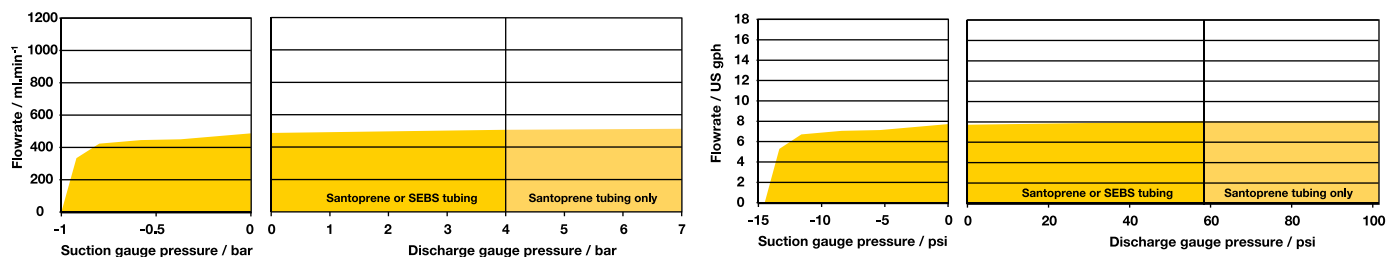
## PERFORMANCE

### Qdos 30 pump typical flow rates

	Speed (rpm)	Flow (ml/min)*
ReNu Pumphead	0.025-125	0.1-500
	Speed (rpm)	Flow (USGPH)*
ReNu Pumphead	0.016-125	0.001-7.93

\*accuracy  $\pm 1\%$ , repeatability  $\pm 0.5\%$

### Flow rate with discharge pressure for ReNu pumpheads at different drive speeds



## TECHNICAL DATA

Functionality	Qdos 30 PROFIBUS
<b>Operational modes</b>	
Manual	•
PROFIBUS	•
Fluid recovery	•
Fault reporting	•
<b>Manual control</b>	
Flow rate range 0.1 to 500 ml/min (5000:1)	•
Numerical flow display	•
Numerical speed display	•
Numerical percentage of max speed display	•
Fluid level monitor	•
Max (prime)	•

Functionality	Qdos 30 PROFIBUS
Auto restart	•
Fluid recovery and leak detection	•
<b>Cyclic data write</b>	
Speed set point	•
Set flow calibration	•
<b>Cyclic data read</b>	
Measured speed	•
Hours run	•
Tacho counter	•
Flow calibration	•

