



Join the no-valve metering revolution

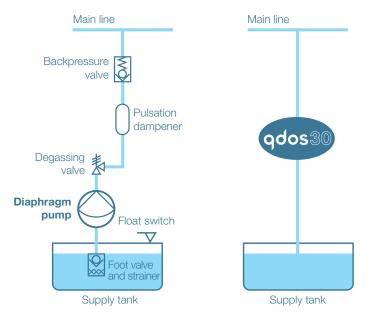
Qdos 30 the no-valve metering pump

- Accurate, linear and repeatable flow under varying process conditions
- Flow rates 0.001 to 8 US gph (0.1 to 500 ml/min) at 100 psi (7 bar)
- ReNu pumphead: single, sealed component for no-tools maintenance
- No valves: lowering installation and maintenance costs

Eliminate ancillary equipment

A diaphragm metering pump often requires a range of high maintenance ancillary items to function. The no-valve Qdos 30 eliminates ancillary equipment while ensuring accurate, linear and repeatable metering across all process conditions.

- No backpressure valves
- No pulsation dampener
- No degassing valves
- No foot valves and strainers
- No float switches



Typical installation comparing a diaphragm metering pump with the Qdos metering pump

Cost of ownership is less than a diaphragm pump

Qdos 30 delivers flow rates that remain constant right up to 100 psi (7 bar) giving users a unique advantage over diaphragm metering pumps.

Designed as a drop in replacement to diaphragm

metering pumps, the Qdos 30 pump offers long maintenance intervals, reducing the impact of process downtime and lowering the overall cost of ownership.





Rugged IP66 pump drive, designed for industrial environments



Revolutionary pumphead technology

The unique design of the patented ReNu[™] pumphead enables accurate and repeatable flow for fluids of wide ranging viscosities.

No-tools maintenance

means quick, safe and easy pumphead replacement with no specialist training or maintenance technicians.

The sealed pumphead design

eliminates fluid leakage and, combined with the fluid recovery functionality, reduces chemical waste.



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Easy access high-visibility interface

Keypad and 3.5" TFT color display provide easy access and high-visibility status indication. Configurable in 9 languages

Eliminate chemical waste

Accurate, linear and repeatable flow, with varying process conditions. Keeps pumping even when off-gassing occurs or when the chemical contains solids. No need to over-meter chemicals

Safe maintenance

The sealed ReNu pumphead with fluid recovery functionality eliminates operator exposure to chemicals. No chemicals on the floor, no parts to clean and rebuild



Replace your pump in seconds

Process uptime is maximized with **no-tools maintenance** quick and easy pumphead replacement

Low maintenance

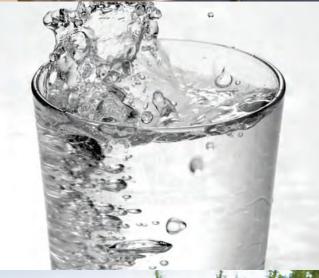
No valves or seals to clog, leak or corrode, giving minimal maintenance. Drop-in replacement for diaphragm metering pumps

到 SULPHURIC ACID

!8

9dos30 Metering Pumps







■ Disinfection- drinking water

Sodium hypochlorite creates gas locking and crystallization in diaphragm pumps.

Flow rates and pressure changes fluctuate impacting metering accuracy. Diaphragm pumps are often set to 'over-dose' to ensure water quality is maintained. This increases chemical usage and secondary treatment to compensate.

Qdos 30 delivers predictable, accurate metering at variable pressure up to 100 psi (7 bar), even with fluctuating process conditions. Gas locking and crystallization issues are eliminated.

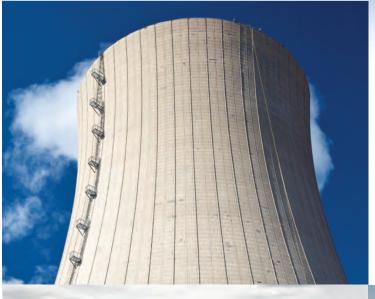
pH adjustmentdrinking and industrial processwater

Water pH influences the effectiveness of disinfection.

Metering alkalis such as Calcium Hydroxide creates issues with clogging and damage. Metering acids carries safety implications and can corrode pipework and equipment.

Qdos 30 metering pumps minimize pH 'overshoot'. Suspended solids are handled with no risk of clogging, and the innovative ReNu pumphead ensures safe operation with built-in fluid recovery.

A host of applications



Industrial cooling – water preparation

Chemicals used in cooling water treatment to prevent corrosion and scale formation affect cooling efficiency and impact operating costs.

A metering skid may contain five pumps, each with its own configuration and operating requirements. Qdos 30 delivers accurate flow, even at very low flow rates combined with high discharge pressure.

There are no valves in the flow path to wear, and the ReNu sealed pumphead ensures quick and safe pumphead replacement with no risk of leakage, giving you savings on skid ownership costs.







Flocculation

Flocculants can cause clogging in diaphragm pumps, increasing maintenance and process down-time.

Environmental conditions such as temperature affect fluid viscosity also affect diaphragm pump performance.

Qdos 30 delivers accurate metering even with fluctuating viscosity. There are no seals or valves in the flow path to clog or wear, meaning pump performance is never compromised.



Mineral processing

- Reagent dosing

Accurate pH control is critical to ensure maximum yield.

However the toxicity of reagents such as sulfuric acid and cyanides are hazardous and can damage pumps.

ReNu pumphead technology ensures the safe metering of toxic chemicals. Fluid recovery and **no-tools maintenance** means an operator can quickly and safely change the pumphead. The process can be back up and running in minutes.



Qdos 30 pump range

Simplicity in installation, operation and maintenance were key considerations when designing the Qdos range of pumps.

An intuitive menu offers advanced control features including:

- Fluid level monitoring
- Fluid recovery
- Line priming
- Flow calibration

The 3.5" TFT color display provides instant pump status, and can be configured to display in 9 different languages.

Qdos 30 can be ordered with the ReNu pumphead mounted on the left or right of the pump. The keypad, display and input/output connections are readily accessible for easy operation and maintenance. All models are IP66 rated for use in washdown environments.

Pump range overview







Manual

Offiversalt
Flexibility for automatic and manual
control together with configurable
4-20mA input

Flexibility for automatic and manual	
control	

Universal

Manual speed control







Flexibility for your process needs

Features overview

Functionality	Universal +	Universal	Manual	Remote	PROFIBUS
Operational modes					
Manual	•	•	•		•
Contact	•	•			
4-20mA	•	•		•	
Fluid recovery	•	•	•	•	•
Fault reporting	•	•	•	•	•
PROFIBUS control and diagnostics					•
Manual control					
Numerical flow display	•	•	•		•
Numerical speed display	•	•	•		•
Numerical percentage of max speed display	•	•	•		•
Fluid level monitor	•	•	•		•
Max (prime)	•	•	•		•
Auto restart	•	•	•		•
Pumphead failure alarm	•	•	•		•
Remote control					
4-20mA input	•	•		•	
4-20mA input two point calibration	•				
4-20mA output	•			•	
Contact input (pulse/batch)	•	•			
Run stop input	•	•		•	
Run status output	•	•		•	
Alarm output	•	•		•	
Remote fluid recovery	•	•		•	
Optional 110V industrial logic	•	•			
LED status icons					
Pump status				•	
4-20mA status				•	
Fault 6 6 5				•	
Security					
Keypad lock	•	•	•		•
PIN lock	•	•	•		•



Performance data

Typical flow rates (metric up to 7 bar)

		Flow (ml/min)*				
	Speed (rpm)	Manual	Remote	Universal	Universal+	PROFIBUS
ReNu pumphead	0.025-125	0.1 to 500		0.1 to 500	0.1 to 500	0.1 to 500
nerva pampnead	0.078-125		0.3 to 500			

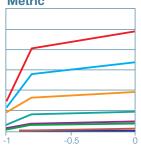
Typical flow rates (imperial up to 100 psi)

		Flow (US gph)				
	Speed (rpm)	Manual	Remote	Universal	Universal+	PROFIBUS
ReNu pumphead	0.016-125	0.001 to 7.93		0.001 to 7.93	0.001 to 7.93	0.001 to 7.93
nerva pampneau	0.078-125		0.005-7.93			

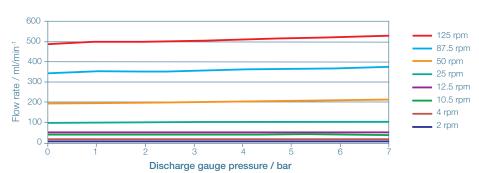
*Accuracy+/-1%, repeatability +/- 0.5%

Performance curves

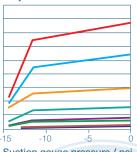




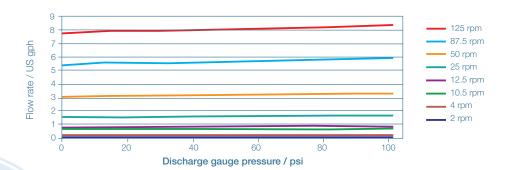
Suction gauge pressure / bar



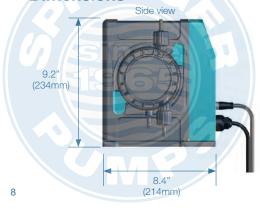
Imperial



Suction gauge pressure / psi



Dimensions



Front view 82.5mm) 🖰 10" (256mm)



Performance and ordering

Ordering information

Pumps*	nps* Part number†						
Description	United Kingdom	USA, Canada, Brazil, Japan	Europe	Australia, New Zealand	Argentina	Switzerland	
Qdos 30 Manual, pumphead left	0M0.223L.GLU	0M0.223L.GLA	0M0.223L.GLE	0M0.223L.GLK	0M0.223L.GLR	0M0.223L.GLC	
Qdos 30 Manual, pumphead right	0M0.223L.GRU	0M0.223L.GRA	0M0.223L.GRE	0M0.223L.GRK	0M0.223L.GRR	0M0.223L.GRC	
Qdos 30 Universal, pumphead left	0M0.224L.GLU	0M0.224L.GLA	0M0.224L.GLE	0M0.224L.GLK	0M0.224L.GLR	0M0.224L.GLC	
Qdos 30 Universal, pumphead right	0M0.224L.GRU	0M0.224L.GRA	0M0.224L.GRE	0M0.224L.GRK	0M0.224L.GRR	0M0.224L.GRC	
Qdos 30 Universal+ pumphead left	0M0.225L.GLU	0M0.225L.GLA	0M0.225L.GLE	0M0.225L.GLK	0M0.225L.GLR	0M0.225L.GLC	
Qdos 30 Universal+ pumphead right	0M0.225L.GRU	0M0.225L.GRA	0M0.225L.GRE	0M0.225L.GRK	0M0.225L.GRR	0M0.225L.GRC	
Qdos 30 Universal 110V Logic, pumphead left		0M0.224H.GLA					
Qdos 30 Universal 110V Logic, pumphead right		0M0.224H.GRA					
Qdos 30 Universal+ 110V Logic, pumphead left		0M0.225H.GLA					
Qdos 30 Universal+ 110V Logic, pumphead right		0M0.225H.GRA					
Qdos 30 Remote, pumphead left	0M0.221L.GLU	0M0.221L.GLA	0M0.221L.GLE	0M0.221L.GLK	0M0.221L.GLR	0M0.221L.GLC	
Qdos 30 Remote, pumphead right	0M0.221L.GRU	0M0.221L.GRA	0M0.221L.GRE	0M0.221L.GRK	0M0.221L.GRR	0M0.221L.GRC	
Qdos 30 PROFIBUS, pumphead left	0M0.227L.GLU	0M0.227L.GLA	0M0.227L.GLE	0M0.227L.GLK	0M0.227L.GLR	0M0.227L.GLC	
Qdos 30 PROFIBUS, pumphead right	0M0.227L.GRU	0M0.227L.GRA	0M0.227L.GRE	0M0.227L.GRK	0M0.227L.GRR	0M0.227L.GRC	
Pumphead			Part number				
ReNu pumphead			0M3.2200.GB0				
Interface tubing			Part number				
Interface tubing, pvc 6.3x11.5mm, 2m (6.	5ft) length		0M9.2222.V6B				
Interface tubing, pvc 10x16mm, 2m (6.5ft	0M9.2222.VAD						
Interface tubing, pvc 6.3x11.5mm, 5m (16	0M9.2225.V6B						
Interface tubing, pvc 10x16mm, 5m (16ft)	0M9.2225.VAD						
Interface tubing, polythene, 9x12mm, 2m	0M9.2222.E9C						
Interface tubing, polyethylene 5x8mm, 2m	0M9.2222.E58						
Interface tubing, polyethylene 9x12mm, 5	m (16ft) length		0M9.2225.E9C				
Interface tubing, polyethylene 5x8mm, 5m	OM9.2225.E58						

^{*} The pumphead side location is required when ordering. The left/right perspective assumes the user is looking at the front of the pump. The pump in the dimensions diagram on page 8 is considered a pumphead located to the left.
† Pumps are 85~264 VAC 1ph 47~63Hz and fitted with the mains power plug for the designated country.

Weights

Model		Drive		Drive with pumphead		
	kg				lb	
Manual	(4.1)		9lb	5.05	11lb 2oz	
Remote	4.0		8lb 13oz	4.95	10lb 15oz	
Universal	(6) 4.1		9lb	5.05	11lb 2oz	
Universal+	4.1		9lb	5.05	11lb 2oz	
PROFIBUS	4.1		9lb	5.05	11lb 2oz	

For contact details visit our website: www.wmpg.com

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