

ReaXus 6010R

Reciprocating pump for laboratories, pilot plants, and industry.

The ReaXus 6010R is a high performance reciprocating pump with accurate flow rate control up to 10 mL/min and pressure capability up to 6,000 psi (414 bar). This pump is ideal for reactant feed, core flooding, research and industrial applications.

The ReaXus 6010R has an interactive front panel keypad with LED display for easy programming. It can interface with a computer for additional control options and has features for solvent selection (compressibility compensation) and user-settable upper and lower pressure limits.

- **Improve Flow Accuracy**

The solvent select feature automatically adjusts for fluid compressibility to achieve optimal flow accuracy

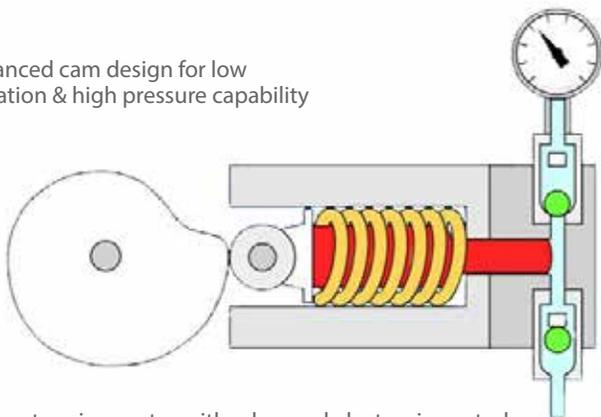
- **Real Time Pressure Feedback**

Receive immediate pressure feedback with settable limits

- **Extend your control**

Whatever your system, the Reaxus provides a wide level of control options including 4 to 20 amp

Advanced cam design for low pulsation & high pressure capability



Micro-stepping motor with advanced electronic control gives high displacement resolution for improved accuracy and precision, even at low flow rates



STANDARD

2 YEAR

WARRANTY

REAXUS 6010R

Standard System Features

- Pulse dampener
- Solvent select
- Self-flushing head (automatic piston wash)
- Prime mode
- Prime-purge valve
- Real time pressure monitoring
- User-settable upper and lower pressure limits

External Interface

- RS232
- Micro-USB
- Analog flowrate control (0-10V or 4-20mA)
- Digital run & stop input via contact closure / 5 VTTL



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store.teledyneisco.com

 **TELEDYNE ISCO**
Everywhere you look™

Specifications			
Capacity	50.3 µL/stroke	Plumbing Ports	1/8 in OD tubing inlet standard; 1/8 in OD tubing outlet standard
Flow Range	0.01 – 10.00 mL/min	Operating Temperature	10 – 40° C ambient
Flow Accuracy	≤ ± 2% of set point @ 5-95% of flow range (80:20 Water/IPA @ 1,000 psi) ≤ ± 1.5% @ 1.5 mL/min to 5.0 mL/min (80:20 Water/IPA @ 1,000 psi)	Humidity	20 to 90%
Flow Precision	0.2% RSD	Altitude	2000M
Pressure Pulsation	≤ 2% peak-to-peak	Power Required	45 W, 100-240 Vac, 50-60 Hz
Displacement Resolution	5.2 nL/step	Dimensions (H x W x D)	18 x 18 x 30 cm (7 x 7 x 12 in)
Pressure Range	413.7 bar (6,000 psi)	Weight Pump Unit	7 kg (15 lb)
Pressure Accuracy	± 2.0% FS	External Control	RS-232 PC interface, micro USB port, analog flow control input (0-10V or 4-20 mA), digital run & stop control via contact closure / 5 VTTL
Pressure Zero Offset	± 2 psi	Standards Conformity	CSAUS, CE, RoHS compliant
Wetted Materials (Standard)	Sapphire, Ruby, SST, UHMWPE, PTFE		

Options

- Jacketed head - temperature control jacket
- Hastelloy fluid path
- Constant pressure control mode (constant flow mode standard)



Jacketed Head



Ordering Information			
ReaXus 6010R Pump Stainless Steel		ReaXus 6010R Pump Hastelloy	
Constant Flow		Constant Flow	
68-2250-004	Constant Flow 1/8" Outlet	68-2250-006	Constant Flow 1/8" Outlet
68-2250-012	Constant Flow 1/16" Outlet	68-2250-018	Constant Flow 1/16" Outlet
68-2250-008	Constant Flow 1/8" Outlet with Jacketed Head	68-2250-010	Constant Flow 1/8" Outlet with Jacketed Head
68-2250-015	Constant Flow 1/16" Outlet with Jacketed Head	68-2250-021	Constant Flow 1/16" Outlet with Jacketed Head
Constant Pressure		Constant Pressure	
68-2250-013	Constant Pressure 1/8" Outlet	68-2250-019	Constant Pressure 1/8" Outlet
68-2250-014	Constant Pressure 1/16" Outlet	68-2250-020	Constant Pressure 1/16" Outlet
68-2250-016	Constant Pressure 1/8" Outlet with Jacketed Head	68-2250-022	Constant Pressure 1/8" Outlet with Jacketed Head
68-2250-017	Constant Pressure 1/16" Outlet with Jacketed Head	68-2250-023	Constant Pressure 1/16" Outlet with Jacketed Head



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Teledyne Isco is continually improving its products and reserves the right to change specifications without notice.

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