

HELIX
HYDRO



ITC
DOSING PUMPS



DOSTEC AC

ADVANCED CONTROL

**Diaphragm And
Piston Dosing
Pump**





DOSTEC AC

ADVANCED CONTROL DOSING PUMP

Diaphragm and piston dosing pumps with advanced dosing control for an accurate and efficient automatic regulation.

Dostec AC pumps are design with several configuration modes to be remotely controlled and monitored from control center, SCADA system, etc.

APPLICATIONS:

- ✓ Water treatment
- ✓ Industrial processes
- ✓ Chemical industry
- ✓ Pulp & paper
- ✓ Agriculture

OPERATING MODES

- ✓ Analogue control (0/4-20mA)
- ✓ Proportional pulse control
- ✓ Batch dosing control
- ✓ ModBus supervisory control
- ✓ Manual Flow Control

ADVANCED DOSING FUNCTIONS

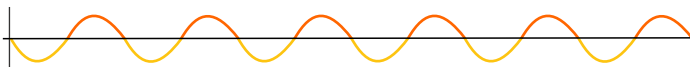
- ✓ Complete Remote Control
- ✓ Test function
- ✓ Flow calibration
- ✓ Low Pulsation discharge function (LP), for a continuous flow
- ✓ Slow Suction function (SS) for high viscosity products
- ✓ Low Flow function (LF)

ADDITIONAL SAFETY DEVICES

- ✓ Level sensor
- ✓ Diaphragm leakage detector
- ✓ Pressure sensor
- ✓ Flow failure detector
- ✓ Temperature sensor



STANDARD DOSING GRAPHIC

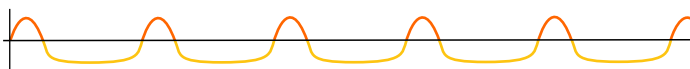


(LP) LOW PULSATION DISCHARGE



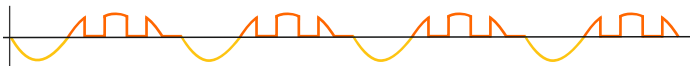
Low pulsating discharge cycle for a continuous dosing flow

(SS) SLOW SUCTION



Slow suction cycle for a reliable dosing for high viscosity fluids

(LF) LOW FLOW



Discontinuous discharge cycle for extremely low dosing flow

TECHNICAL FEATURES

MODEL	MAX INJECTION	
DIAPHRAGM	L/HR	KPA
DTEC-AC2-10D	6.5-9.5	1500
DTEC-AC2-50D	38-53	1500
DTEC-AC2-100D	83-111	1000
DTEC-AC2-200D	173-209	800
DTEC-AC2-250D	251-284	500
DTEC-AC2-340D	301-342	500
DTEC-AC3-480D	373-481	1000
DTEC-AC3-620D	498-624	1000
DTEC-AC3-820D	624-822	700
DTEC-AC3-1200D	1044-1254	500

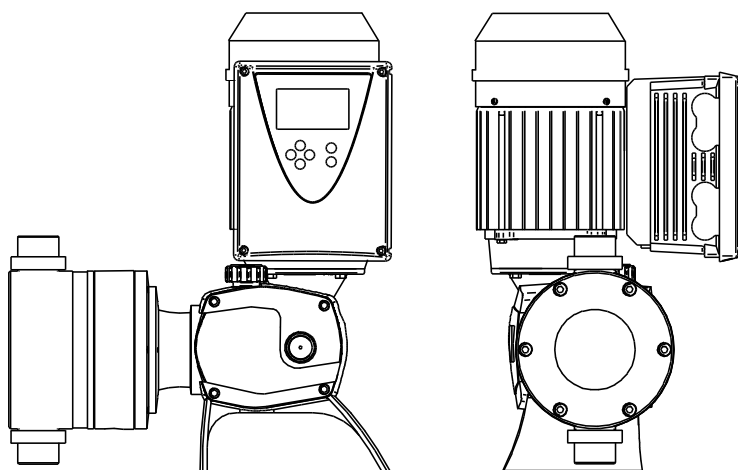
MODEL	MAX INJECTION	
PISTON	L/HR	KPA
DTEC-AC2-10	10	1500
DTEC-AC2-30	30	1500
DTEC-AC2-60	60	1500
DTEC-AC2-120	120	1500
DTEC-AC2-240	240	1100
DTEC-AC2-360	360	700
DTEC-AC3-600	600	1200
DTEC-AC3-900	900	750
DTEC-AC3-1200	1200	550

Note:

Standard pump materials will suit most agricultural chemicals, for specialist products please contact Triangle Waterquip.

INPUTS / OUTPUTS AND COMMUNICATIONS

- ✓ Analogue input 0/4-20mA
- ✓ External pulse input
- ✓ Remote on/off input
- ✓ Level sensor input (pre-empty)
- ✓ Level sensor input (empty)
- ✓ Leakage detector input
- ✓ Flow detector input
- ✓ Pressure sensor input
- ✓ Serial port RS-485 ModBus
- ✓ 4-20mA output for register and monitoring
- ✓ Pulse output for register, monitoring and 2nd pump control
- ✓ Alarm output (relay)
- ✓ Level alarm output (relay)





Advanced Control Dosing Pumps

- ✓ High Chemical Resistance
- ✓ Smart And Highly Efficient Dosing
- ✓ Dosing Flow From 3 L/h (0,8 Gph) to 1200 L/h (317 Gph)



05 - 2022



Helix Hydro Pty. Ltd.
23 Sir Laurence Drive
Seaford, Victoria 3198
Phone: 03 9580 2122

Contact: enquiries@helixhydro.com.au
Website: www.helixhydro.com.au

VIC/TAS	P: 0427 033 967
WA/NT	P: 0409 115 895
NSW/ACT	P: 0414 675 663
QLD	P: 0417 733 508
SA	P: 0427 033 967

