

INTELLIGENT DIAPHRAGM PUMPS

CONTROLLABLE



OVERVIEW

- Adjustment range 1:1000
- Controlled by a microprocessor
- Flow rates from 7 ml/h to 15 l/h
- Counterpressure up to 10 bar
- Slow Mode
- Timer- and batch-function
- Intuitive navigation
- 2 control versions
- Remote control
- Robust, corrosion-resistant housing

TECHNICAL DATA

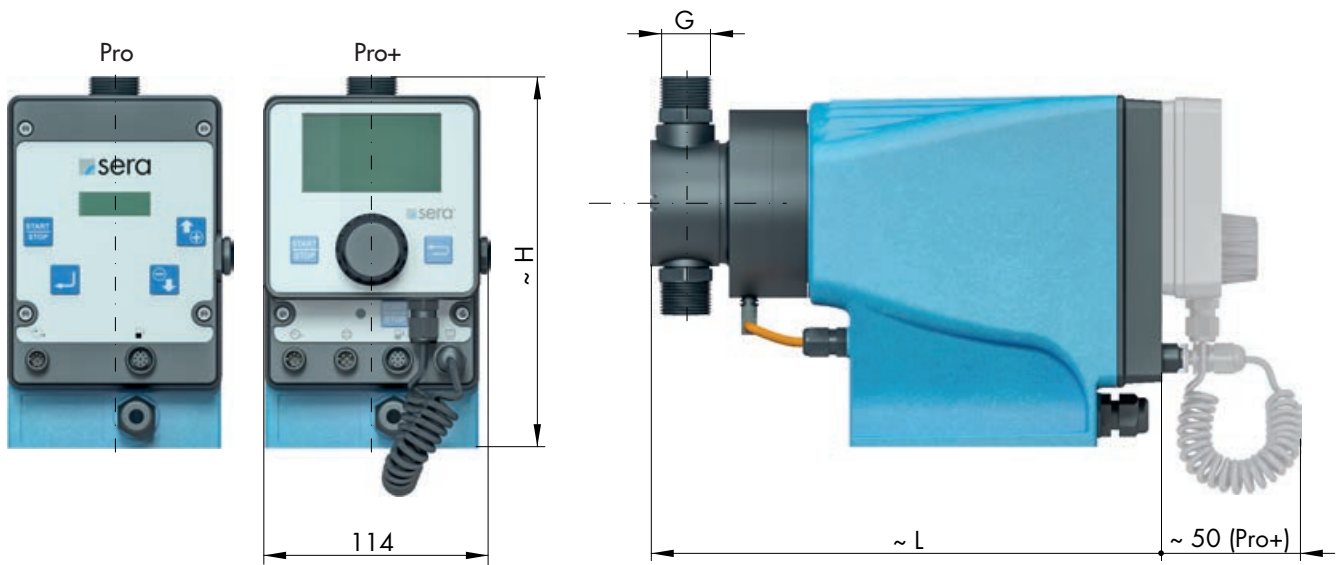
PUMP DATA			iSTEP XS 7	iSTEP XS 15
Permissible pressure p_{2max} at the pump outlet	bar		10	7
Nominal capacity QN at p_{2max}	l/h		7	15
Capacity min. (1:1000)	l/h		0,007	0,015
Quantity per stroke	ml/Stroke	(100%)	0,61	1,47
Max. suction height	mWS		3	3
Min./max. permissible pressure at the pump inlet	bar	$p_{1min/max}$	-0,3/0,5	-0,3/0,5
Recommended nominal diameter DN of the connecting pipes	mm		3	5
Nominal stroke frequency	1/min		190	170
Weight approx.	kg	plastic	3,6	3,6
		stainless steel	4,0	4,0

ELECTRICAL DATA			iSTEP XS...
Power consumption	W		45
Voltage	V		100 - 240 AC
Frequency	Hz		50/60
Insulation class	ISO		F
Recommended fuse	(circuit breaker)		C10A
Enclosure			IP65

Flow capacity 7 l/h ... 15 l/h
 Admissible counterpressure up to 10 bar

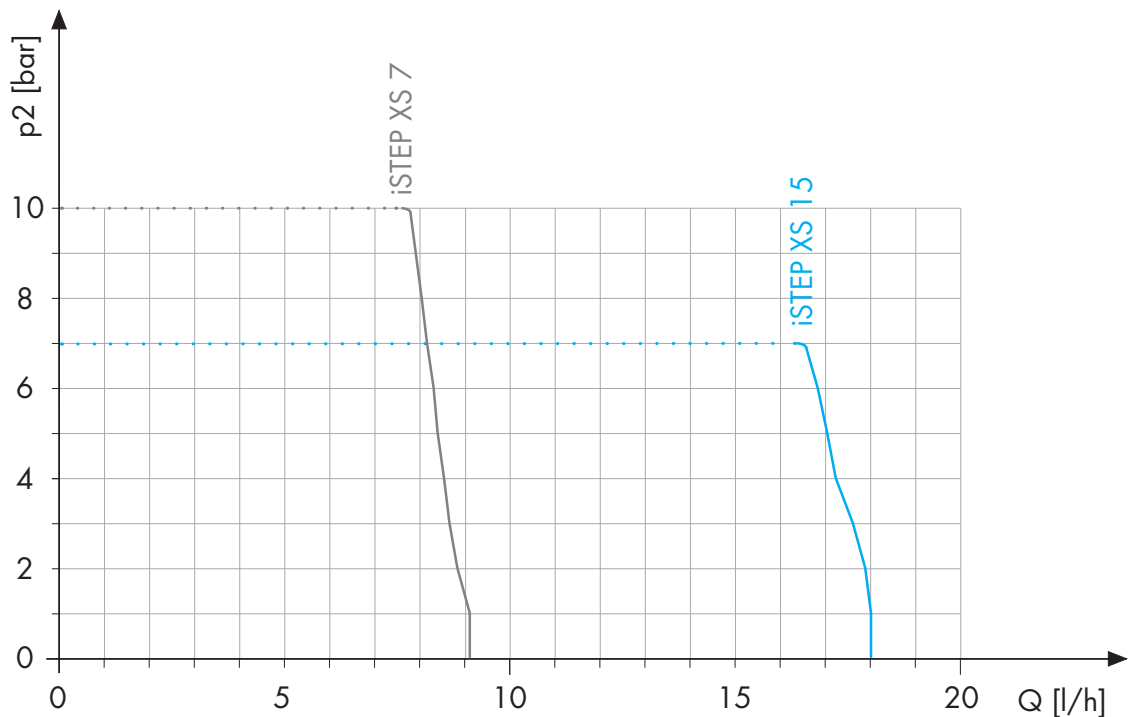
iSTEP XS

DIMENSIONS



	G		L	H		L	H
iSTEP XS 7	G 3/4	PP PVDF	260	187	PVC 1.4571	260	188
iSTEP XS 15	G 3/4		265	188		264	188

CHARACTERISTIC CURVES



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FUNCTIONS AND OPERATING MODES

Extremely wide performance range
Adjustment range 1:1000
thus optimally adaptable
Low pulsation dosage
Drive controlled by microprocessor

Slow mode for viscous media
Energy-efficient drive technology
Intuitive menu navigation
incl. parameterization
Pulse division or multiplication

Different languages for the menu
Certified accord. to TR (EAC)
different digital/analogue Inputs
2 Digital outputs
3m cable with euro plug

Operating Modes & Messaging	Pro	Pro+
Manual	✓	✓
Pulse	✓	✓
Analogue	✓	✓
Batch	✗	✓
Timer	✗	✓
Interface	✗	✓
Calibration	✓	✓
Slowmode	✓	✓
Suction mode	✓	✓
Diaphragm monitoring	✓	✓
Data logging (SD-Card)	✗	✓
Error messaging	Error Code + display color change	Plain text + display color change
Clock for data & time	✗	✓

Connection & Control	Pro	Pro+
Control elements & Display	4-button control Multilingual display 4-color status indicator	Removeable handheld with two buttons and clickwheel Display with 8 languages (de, en, es, fr, nl, cs, fi, tr) 4-color status indicator
Control cable	optional	5m control cable (8-pole)
In-/Output connection	✓	✓
Level connection	✓	✓
Flow monitor & measurement connection	✗	✓
Profibus / Profinet	✗	optional
Inputs	Digital pulse (NO/NC) Digital extern stop (NO/NC) Analogue 4-20mA	Digital/analogue, free parametrised Digital/analogue, free parametrised Digital, free parametrised
Outputs	24V Ready to run (NO/NC) Stroke signal (NO/NC)	24V Digital, free parametrised Digital, free parametrised Analogue, free parametrised
Updateable	USB (Stick)	USB (to host)