

6410 Series



FEATURES

- > High efficiency
- > Smooth, continuous liquid flow with minimized pulses
- > Bubble-free transfer of media
- > Excellent reliability and durability even with corrosive and abrasive media
- > Flexible design for customized solutions

TYPICAL APPLICATIONS

- > Continuous Inkjet (CIJ)
- > Drop-on-Demand Inkjet (DOD)
- > In-Vitro Diagnostics (IVD)

BASE MODEL

6410 DC Standard

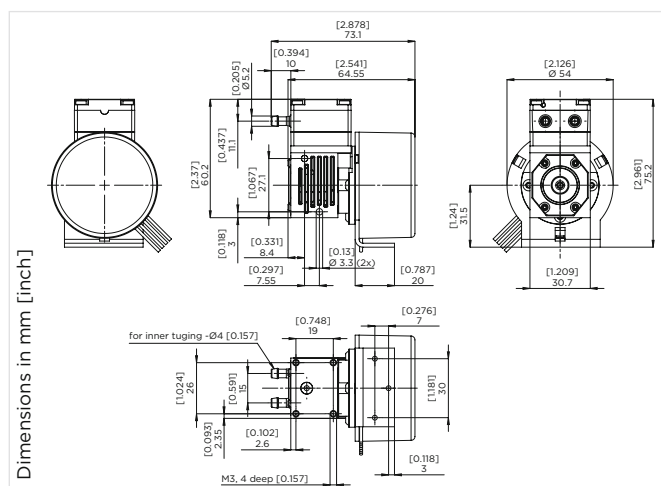
6410 BLDC



Diaphragm

Diaphragm Liquid Pump 6410 BLDC

Flow	800 ml/min
Pressure height	10 m H ₂ O
Suction height	3 m H ₂ O



HYDRAULIC DATA

Description	6410 BLDC PP/EPDM/EPDM	6410 BLDC PP/PTFE/FFKM
Part number	12 V DC 24 V DC 6410 0102 6410 0002	6410 0104 6410 0004
Free flow	800 ml/min	770 ml/min
Max. continuous pressure height	10 m H ₂ O	10 m H ₂ O
Max. suction height	3 m H ₂ O	3 m H ₂ O

ELECTRICAL DATA

Motor type	Brushless DC	Brushless DC
Nominal speed @ 10 m H ₂ O	3500 rpm	3500 rpm
Nominal voltage	12/24 V DC	12/24 V DC
Max. nominal power consumption @ 10 m H ₂ O	6 W	6 W
Motor insulation class	F	F
Protection class	IP30	IP30
EMC protection	Yes	Yes

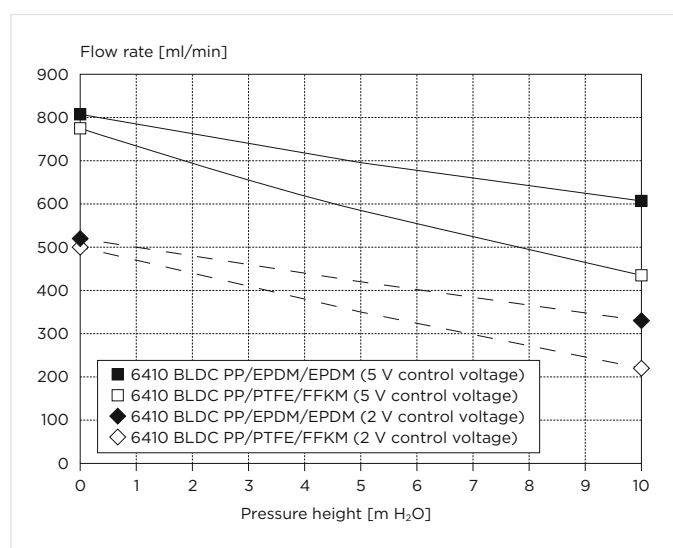
GENERAL DATA

Ambient temperature	5 to 40°C	5 to 40°C
Media temperature	5 to 80°C	5 to 80°C
Weight	295 g	295 g

WETTED PARTS

Pump head	PP with hose barbs	PP with hose barbs
Diaphragm	EPDM	PTFE
Valve plate	EPDM	FFKM
Resonating diaphragm	PTFE	PTFE

FLOW CURVES



Pin	Function	Color	Control
1	V Supply	Red	12 V DC (10 - 18 V DC, reverse polarity protected) 24 V DC (14 - 28 V DC, reverse polarity protected)
2	Ground	Blue	Ground for V Supply (Pin 1) and Speed control (Pin 3)
3	Speed control	White	Analogue: 0... 5 VDC (max. 30 V) Speed voltage input threshold: 1.0 V
4	Tacho out	Green	Output level "LOW": 0 / max. 0.5 V Output level "HIGH": min. 4.2 V / max. 5.5 V

OPTIONS

Pump head with compression fittings (tubing ID 4 mm / OD 6 mm)
Diaphragm FFKM
Polypropylene pump head optimized for low UV-light transmittance

6410... Stock programme

Diaphragm Liquid Pump 6410 DC Standard

Flow	850 ml/min
Pressure height	10 m H ₂ O
Suction height	3 m H ₂ O



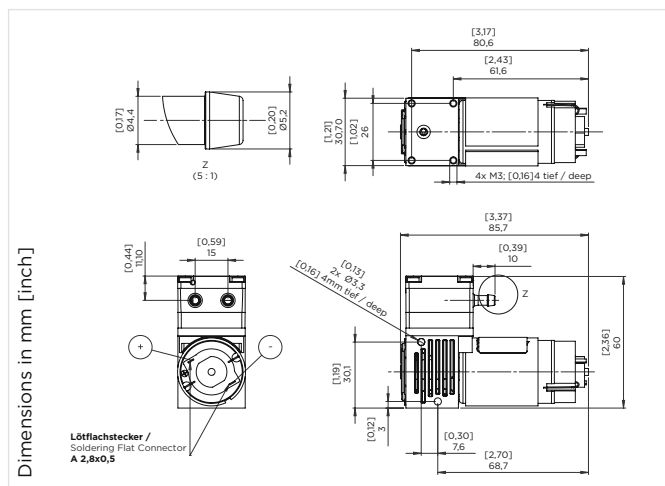
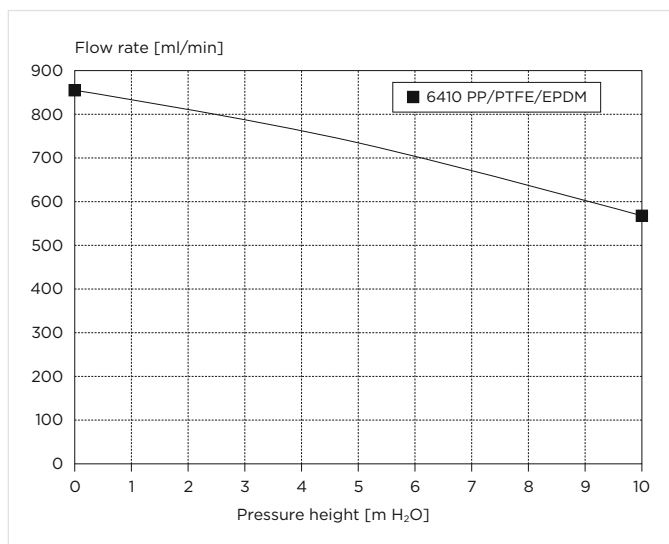
HYDRAULIC DATA		
Description	6410 DC PP/TFM/EPDM	
Part number	12 V DC	6410 0111
	24 V DC	6410 0011
Free flow	850 ml/min	
Max. continuous pressure height	10 m H ₂ O	
Max. suction height	3 m H ₂ O	

ELECTRICAL DATA	
Motor type	Brushed DC
Nominal speed @ 10 m H ₂ O	3100 rpm
Nominal voltage	12/24 V DC
Max. nominal power consumption @ 10 m H ₂ O	8 W
Motor insulation class	F
Protection class	IP00
EMC protection	only with correctly paired electrical cables (request product drawing for details)

GENERAL DATA	
Ambient temperature	5 to 40 °C
Media temperature	5 to 80 °C
Weight	188 g

WETTED PARTS	
Pump head	PP with hose barbs
Diaphragm	TFM
Valve plate	EPDM
Resonating diaphragm	PTFE

FLOW CURVES



OPTIONS
Pump head with compression fittings (tubing ID 4 mm / OD 6 mm)
Polypropylene pump head optimized for low UV-light transmittance

6410... Stock programme

PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

thomaspumps.com



Gardner Denver Thomas GmbH

Livry-Gargan-Str. 10
82256 Fürstenfeldbruck
Germany
T +49 8141 2280 0
F +49 8141 8892136
thomas.de@irco.com

Gardner Denver Thomas. Inc.

1419 Illinois Avenue
Sheboygan. WI 53081
USA
T +1 920 4574891
F +1 920 4514276
td.usa@irco.com

Gardner Denver Thomas Pneumatic Systems (Wuxi) Co., Ltd.

No. 1 New Dong An Road, Shuofang Town, Wuxi, Xinwu District
Jiangsu 214142
China
T +86 510 6878 2258
F +86 510 6878 2200
thomas.cn@irco.com



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