DIAPHRAGM

1410 SERIES

JADE

MODELS
1410V
1410D
1410VD

1410 DC Series

1410 LC Series

FEATURES

Oil-less
Low power consumption
Low sound level
Long lifetime
Compact design
Lightweight

TYPICAL APPLICATIONS

Medical devices
Gas detection
Analysis
Battery operated systems

TÜV SÜD ISO 9001

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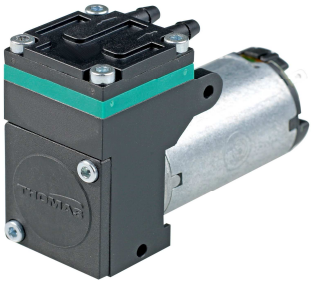
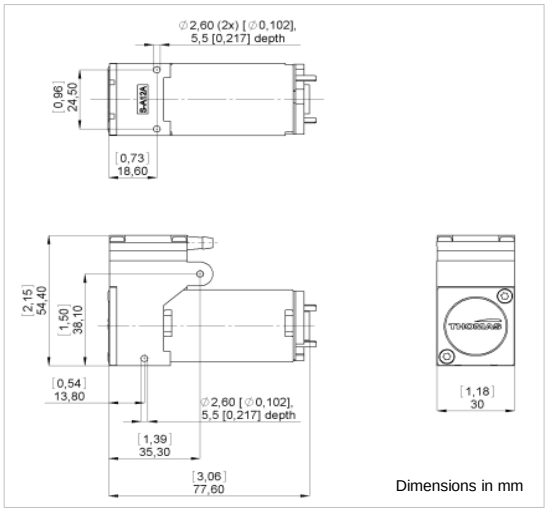
Diaphragm Pump 1410V DC

Flow	**4,3 l/min**
Final Vacuum	**75%**





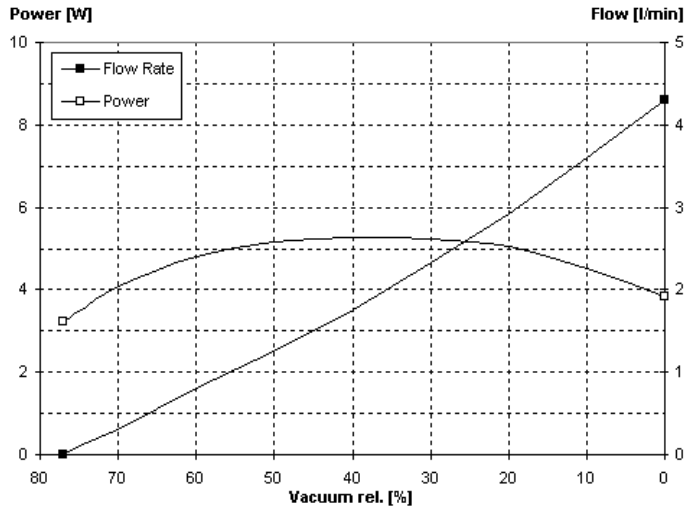
Pneumatic Data		
Description		1410V/2,2/E/DC
Part number	12 V	14100053 [1]
	24 V	14100056
Max. flow		4,3 l/min
Max. intermittent vacuum		75%
Max. continuous vacuum		75%
Max. restart vacuum		50%

Electrical Data	
Motor type	DC brush
Nominal speed	3.400 rpm
Nominal voltage	12/24 V DC
Max. power consumption	5,3 W
Motor insulation class	E
Protection class	IP00 (Housing IP20)

General Data	
Ambient temperature	5 to 50°C
Media temperature	5 to 50°C
Weight	180 g
Port direction	D

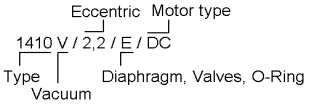
1) radio interference suppression according to EN 55011-B

Flow Curve



Wetted Parts		**Options**
Pump head	PAA (IXEF)	PPS (Ryton®)
Diaphragm	EPDM	
Valves	EPDM	

Model key: 1410... Stock programme



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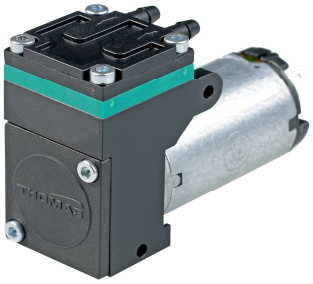
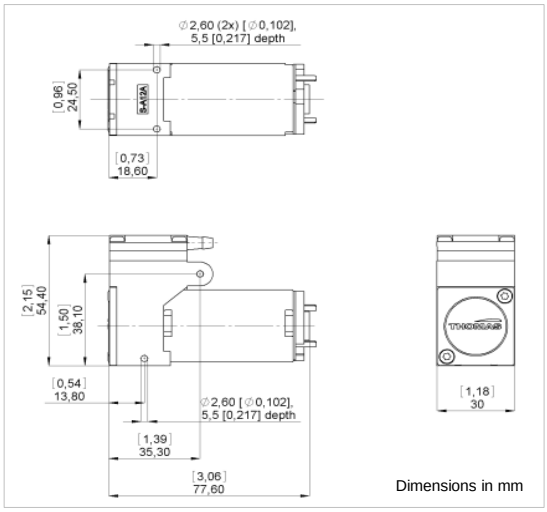
Diaphragm Pump 1410D DC

Flow	**4,3 l/min**
Final Pressure	**1,0 bar**





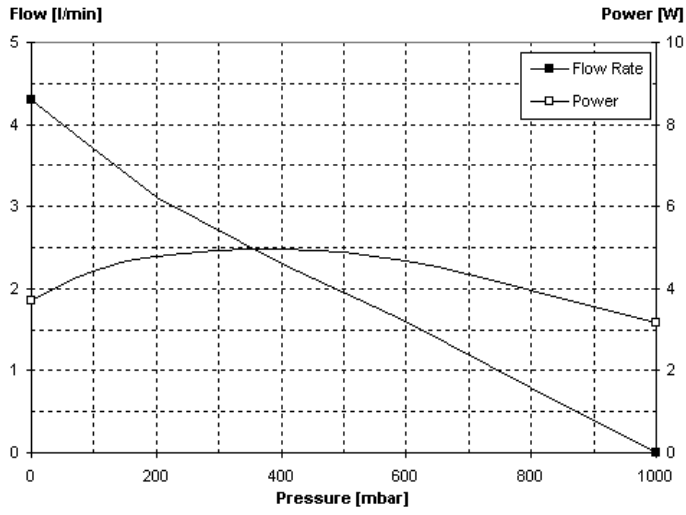
Pneumatic Data		
Description		1410D/2,2/E/DC
Part number	12 V	14100054 [1)]
	24 V	14100057
Max. flow		4,3 l/min
Max. intermittent pressure		1,0 bar
Max. continuous pressure		1,0 bar
Max. restart pressure		0,5 bar

Electrical Data	
Motor type	DC brush
Nominal speed	3.400 rpm
Nominal voltage	12/24 V DC
Max. power consumption	5,0 W
Motor insulation class	E
Protection class	IP00 (Housing IP20)

General Data	
Ambient temperature	5 to 50℃
Media temperature	5 to 50℃
Weight	180 g
Port direction	D

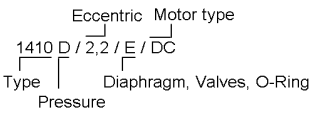
1) radio interference suppression according to EN 55011-B

Flow Curve



Wetted Parts		**Options**
Pump head	PAA (IXEF)	PPS (Ryton®)
Diaphragm	EPDM	
Valves	EPDM	

Model key: 1410... Stock programme



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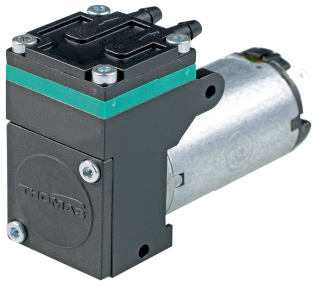
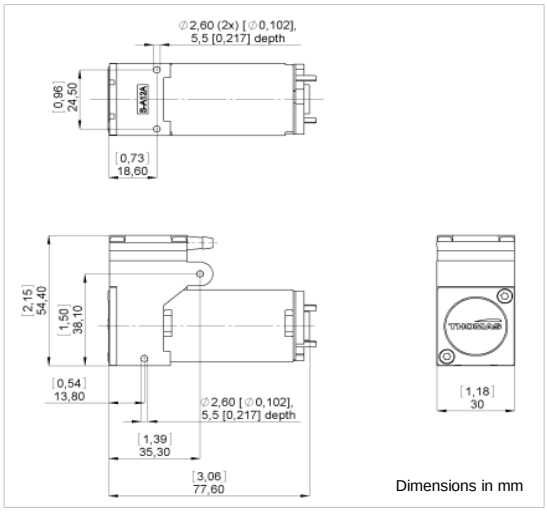
Diaphragm Pump 1410VD DC

Flow	**3,3 l/min**
Final Pressure	**1,9 bar**
Final Vacuum	**75%**





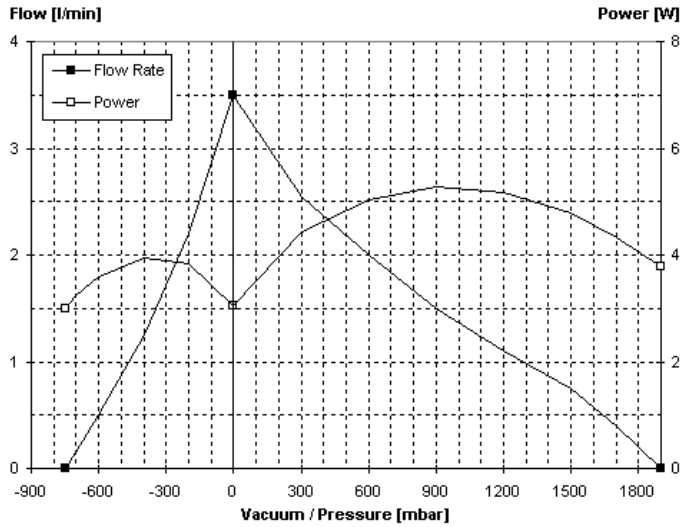
Pneumatic Data		
Description		1410VD/1,5/E/DC
Part number	12 V	14100055 [1)]
	24 V	14100058
Max. flow		3,3 l/min
Max. intermittent pressure		1,9 bar
Max. continuous pressure		0,7 bar
Max. restart pressure		0,5 bar
Max. intermittent vacuum		75%
Max continuous vacuum		75%
Max. restart vacuum		50%

Electrical Data	
Motor type	DC brush
Nominal speed	3.400 rpm
Nominal voltage	12/24 V DC
Max. power consumption	5,3 W
Motor insulation class	E
Protection class	IP00 (Housing IP20)

General Data	
Ambient temperature	5 to 50℃
Media temperature	5 to 50℃
Weight	180 g
Port direction	D

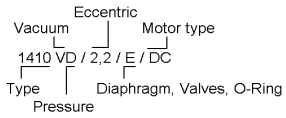
1) radio interference suppression according to EN 55011-B

Flow Curve



Wetted Parts		**Options**
Pump head	PAA (IXEF)	PPS (Ryton®)
Diaphragm	EPDM	
Valves	EPDM	

Model key: 1410... Stock programme



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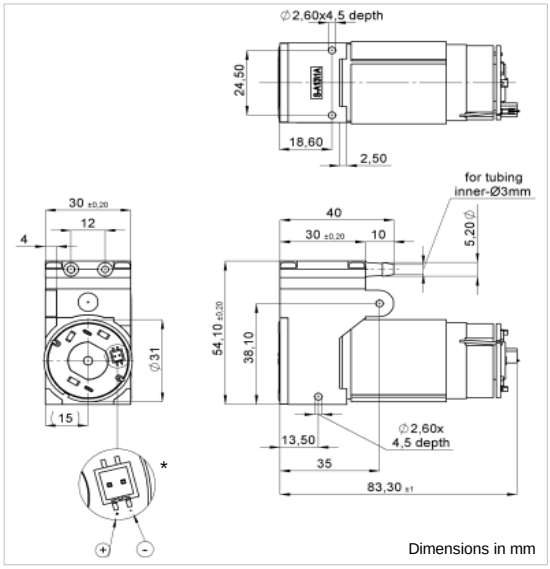
Diaphragm Pump 1410V LC

Flow	**3,7 l/min**
Final Vacuum	**75%**



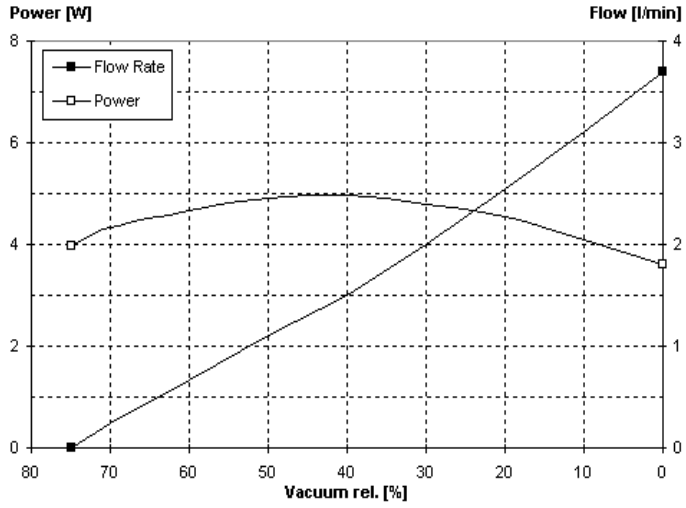
Pneumatic Data		
Description		1410V/2,2/E/LC
Part number	12 V	14100103 [1]
	24 V	14100106
Max. flow		3,7 l/min
Max. intermittent vacuum		75%
Max. continuous vacuum		75%
Max. restart vacuum		75%

Electrical Data		
Motor type	DC brush	
Nominal speed	3.000 rpm	
Nominal voltage	12/24 V DC	
Max. power consumption	5,0 W	
Motor insulation class	F	
Protection class	IP00	
* Suitable connector	Housing, receptacle, 1.5mm pitch	Molex P/N: 87439-0200
	2x Crimp receptacle, 1.5mm, pitch	Molex P/N: 87421-000

General Data	
Ambient temperature	5 to 50℃
Media temperature	5 to 50℃
Weight	180 g
Port direction	D

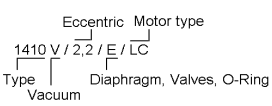
1) radio interference suppression according to EN 55011-B

Flow Curve



Wetted Parts		**Options**
Pump head	PAA (IXEF)	PPS (Ryton®)
Diaphragm	EPDM	
Valves	EPDM	

Model key: 1410... Stock programme



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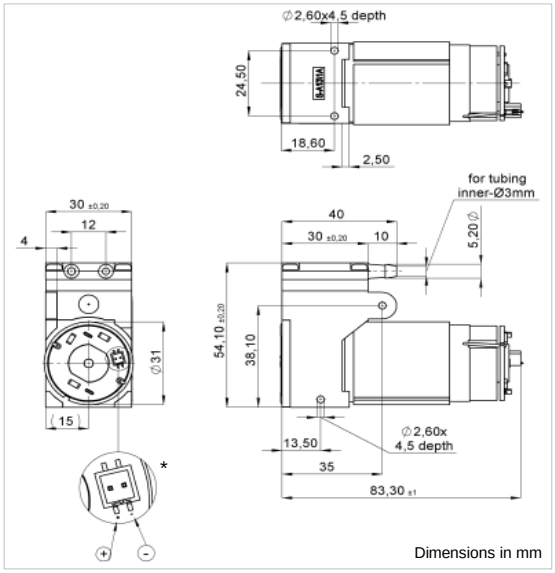
Diaphragm Pump 1410D LC

Flow	**3,7 l/min**
Final pressure	**1,0 bar**



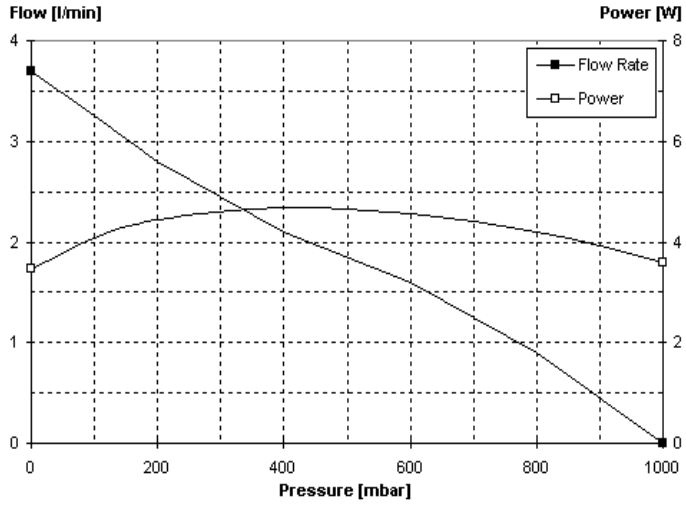
Pneumatic Data		
Description		1410D/2,2/E/LC
Part number	12 V	14100104 [1]
	24 V	14100107
Max. flow		3,7 l/min
Max. intermittent pressure		1,0 bar
Max. continuous pressure		1,0 bar
Max. restart pressure		1,0 bar

Electrical Data		
Motor type	DC brush	
Nominal speed	3.000 rpm	
Nominal voltage	12/24 V DC	
Max. power consumption	4,8 W	
Motor insulation class	F	
Protection class	IP00	
* Suitable connector	Housing, receptacle, 1.5mm pitch	Molex P/N: 87439-0200
	2x Crimp receptacle, 1.5mm, pitch	Molex P/N: 87421-000

General Data	
Ambient temperature	5 to 50℃
Media temperature	5 to 50℃
Weight	180 g
Port direction	D

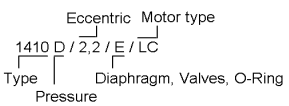
1) radio interference suppression according to EN 55011-B

Flow Curve



Wetted Parts		**Options**
Pump head	PAA (IXEF)	PPS (Ryton®)
Diaphragm	EPDM	
Valves	EPDM	

Model key: 1410... Stock programme



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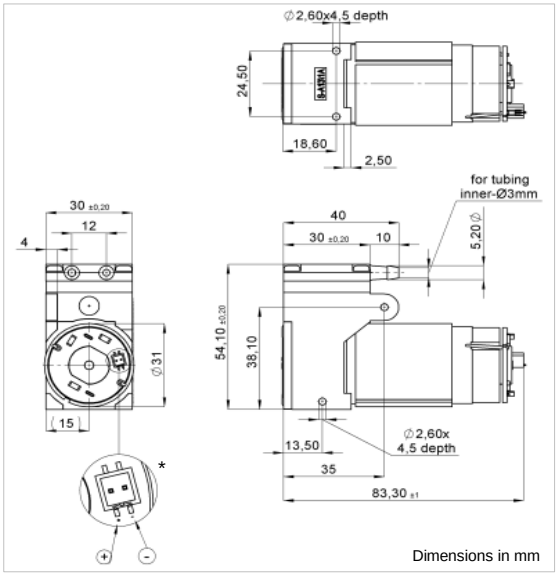
Diaphragm Pump 1410VD LC

Flow	**2,6 l/min**
Final Pressure	**1,9 bar**
Final Vacuum	**75%**



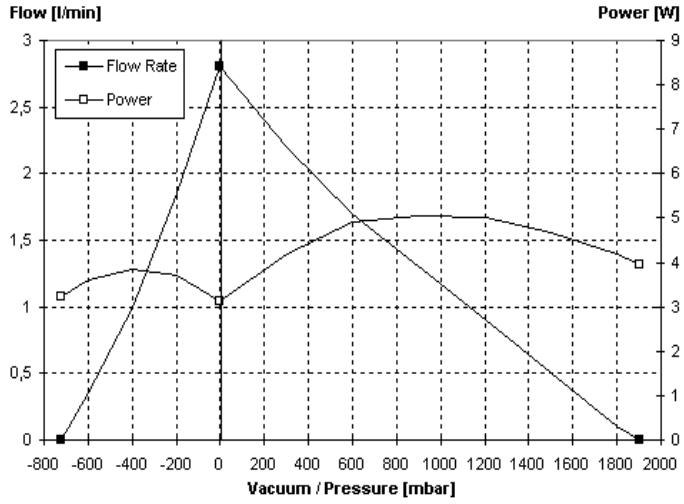
Pneumatic Data		
Description		1410VD/1,5/E/LC
Part number	12 V	14100105 [1]
	24 V	14100108
Max. flow		2,6 l/min
Max. intermittent pressure		1,9 bar
Max. continuous pressure		0,7 bar
Max. restart pressure		1,9 bar
Max. intermittent vacuum		75%
Max continuous vacuum		75%
Max. restart vacuum		75%

Electrical Data		
Motor type	DC brush	
Nominal speed	3.000 rpm	
Nominal voltage	12/24 V DC	
Max. power consumption	5,0 W	
Motor insulation class	F	
Protection class	IP00	
* Suitable connector	Housing, receptacle, 1.5mm pitch	Molex P/N: 87439-0200
	2x Crimp receptacle, 1.5mm, pitch	Molex P/N: 87421-000

General Data	
Ambient temperature	5 to 50℃
Media temperature	5 to 50℃
Weight	180 g
Port direction	D

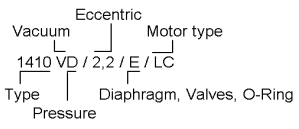
1) radio interference suppression according to EN 55011-B

Flow Curve



Wetted Parts		**Options**
Pump head	PAA (IXEF)	PPS (Ryton®)
Diaphragm	EPDM	
Valves	EPDM	

Model key: 1410... Stock programme



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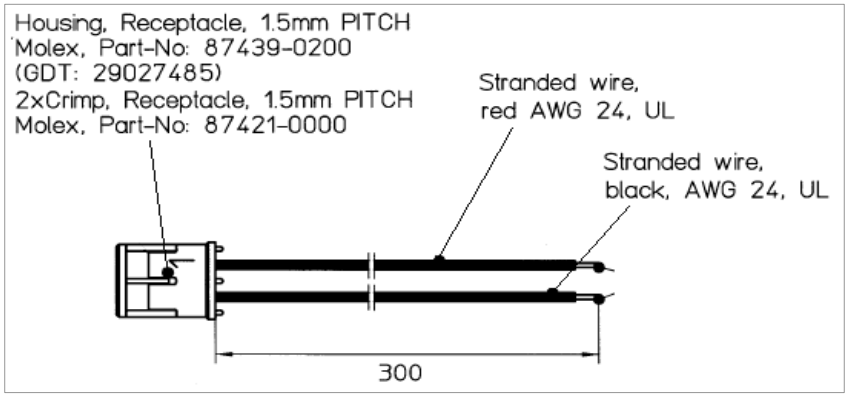
Options / Accessories

P/N 29027486 **Cable harness for LC-Motor**



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