

FlexxPump 400 DLS

- part of a **D**irect **L**ubrication **S**ystem -

A new generation of central and direct grease lubrication controlled by PLC

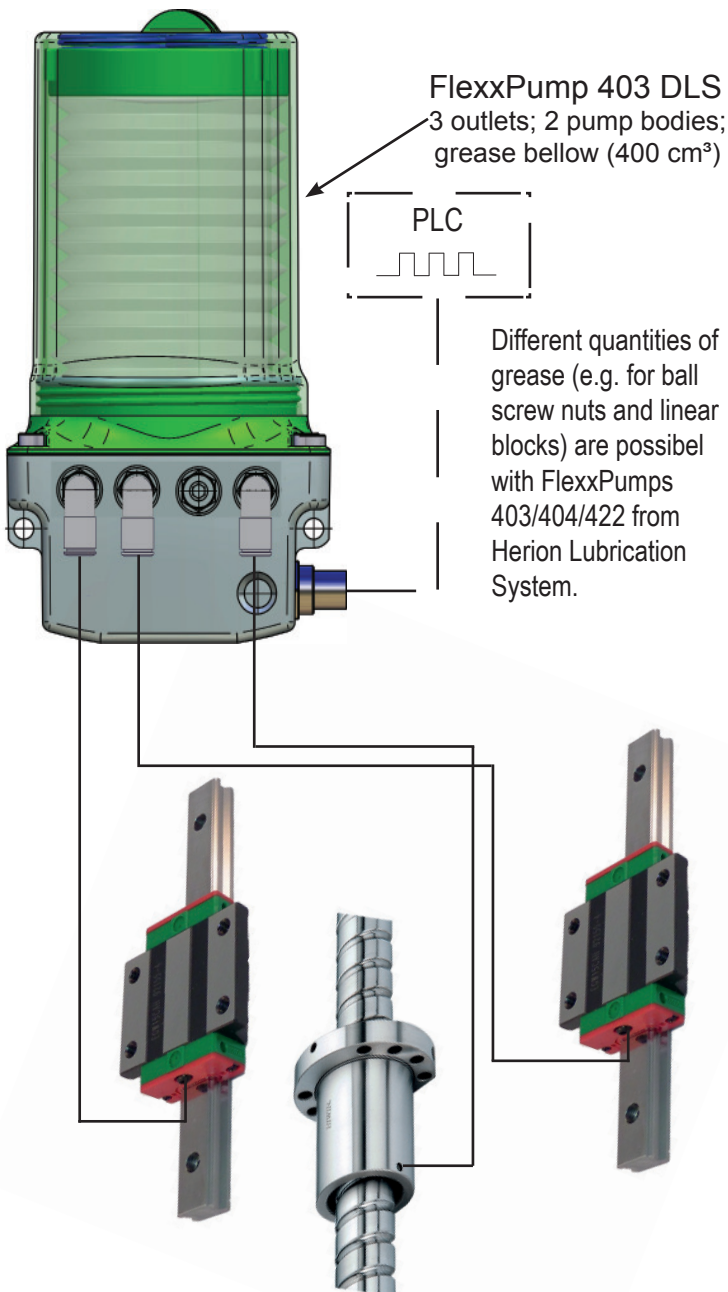
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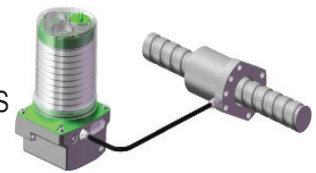
Motion Control & Systems

Automatical grease-lubrication for ball screw spindle and linear rails directly pulse-controlled by PLC

Example for grease-lubrication for 1 ball screw nut and 2 linear rails provided by FlexxPump 403 DLS:



General information FlexxPump 400 DLS (pulsecontrolled directly by PLC)



The FlexxPump 400 DLS is an extraordinary compact lubrication pump for oil (types 500) or grease (types 400) up to NLGI. 3, also containing solid lubricants. The Pump requires 24V DC external supply. The lubricant reservoir is for the grease-types 400cm³ (bellow cartridge/pouch); for the oil-types it's 500ml and directly filled in. Flexx-Pump 400/500 DLS is available with up to 4 outlets and is therefore the best solution for application with limited lubrication points (up to 16 by using volume-splitters). Typical applications are the lubrication of bearings, linear guides, ball screw, chains and open gearings or racks. The lubrication is executed by special lubrication pinions or lubrication chain wheels. Different quantities of lubrication are possible.

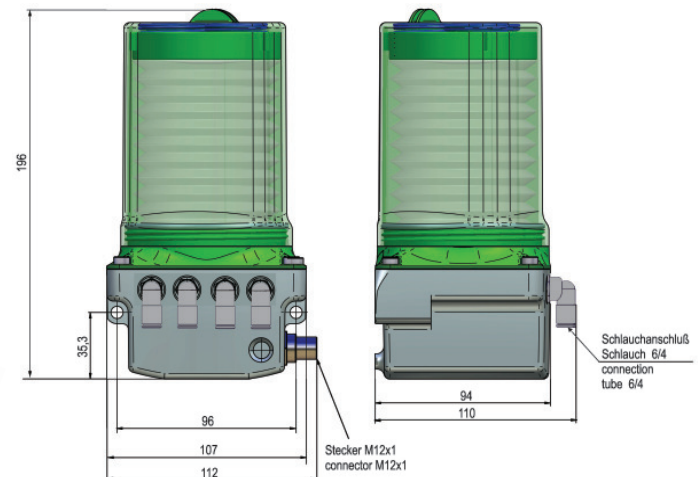


Image: FlexxPump 404 DLS; pulse-controlled directly by PLC; 24 VDC; up to 4 outlets; 400 cm³ grease in a bellow / cartridge

technical data of the FlexxPump 400 DLS:

Dimensions, max.:	W x H x D: 112mm x 196mm x 94mm
Weight, without lubricant:	1120g
Storage/volume:	400cm ³ grease in a cartridge
Lubricant:	grease up to NLGI. 3 (containing solid lubricants)
Function/principle:	piston pump
Delivery rate per pulse:	0,15cm ³
Number of outlets:	up to 4; rightangled and pivotable
Operating voltage:	24V DC
Operating current:	I _{max} : 350mA; typical: 200mA
Fuse:	500mA (characteristic: delay)
Lube-connection:	high pressure tube 6x4
Operating pressure:	max. 70bar (1000 psi)
Operating temperature:	-25°C ... +70°C (-13°F ... +160°F)
Combination:	possible with progressiv systems
Pressure monitoring:	integrated, electronic (monitoring backpressure)
Level monitoring:	integrated, reed-contact
electrical connection:	M12x1; 4-pole
Protection class:	IP 65 (suitable for underwater operation up to 1m)

available types FlexxPump 400 DLS:

Order-No.	Type	Description
135-140-210	401 DLS	1 outlet; 1 pump body; 24 V DC
135-240-210	402 DLS	2 outlets; 1 pump body; 24 V DC
135-240-212	422 DLS	2 outlets; 2 pump bodies; 24 V DC
135-340-210	403 DLS	3 outlets; 2 pump bodies; 24 V DC
135-440-210	404 DLS	4 outlets; 2 pump bodies; 24 V DC

All Pumps and Fittings are available as stockware from Herion Lubrication Systems. | Special configuration and lubrication concepts on request.

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