

# DEPA<sup>®</sup>

## DEPA<sup>®</sup> Self Drainage System

[www.depapumps.com](http://www.depapumps.com)

The DEPA<sup>®</sup> Self Drainage System offers many key features and benefits including:

- 1 **Automatic in-line drainage** eliminates the need to disconnect the pump.
- 2 **Efficient design** creates a drainage path through the valve seat without additional moving parts, thereby reducing maintenance costs.
- 3 **Reliable performance** reduces the need for additional electronic monitoring, thus reducing operating costs.



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## DEPA<sup>®</sup> Self Drainage System

### Size

Type	15	25	40	50	80
DL-SUV	●	●	●	●	●
DH/DL-UEV	●	●	●	●	●

### Design Features and Benefits

- Reduces the need for additional mechanical and/or electrical devices
- No impact to max. flow rate
- Maintains 78% of dry suction lift compared to standard pump\*\*
- In-place drainage feature removes the need for additional handling or the de-installation of pump or equipment
- Does not impact air consumption

*Recommended for non-solid loaded products (products without affinity to block the drainage path)*

*\*\* In house test-results of a DL40-UEVG-T pump*

### Applied Guidelines

Based on ATEX certification of the pump, the self drainage system is:

- Certified for Machinery Directive 2006/42/EC
- ATEX compliant\* in accordance with directive 2014/34/EC

Device Group	Device Category		Explosive Atmosphere		Explosion Group*		
			G	D	IIA	IIB	IIC
I	M1	-	-	-	-	-	-
	M2	●	●	●	-	-	-
II	1	-	-	-	-	-	-
	2	●	●	●	●	●	-

● available    - not available

*\*Only in combination with ATEX certified pump. Temperature class is given with the fluid temperature.*



### Working Principle

The **Self Drainage System** for DLxx-SUV and DHxx/DLxx-UEV Polished Stainless Steel Pumps is ideal for applications, where a pump cannot rotate like the PPS. It has been designed to automatically drain the pump after operation.

To accomplish this, the pump chambers and the suction elbows are fitted with a small groove which acts as a drainage path between valve ball and housing, creating a permanent drainage/leakage.

