

DEPA[®] Self Drainage System

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The DEPA[®] Self Drainage System offers many key features and benefits including:

 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.
- **8 Reliable performance** reduces the need for additional electronic monitoring, thus reducing operating costs.





DEPA

DEPA® Self Drainage System

Size

Туре	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.



Crane ChemPharma & Energy, DEPA®

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