

Fluid Inventory Control

Nex-U® U-valve & U-valve+

U-valve is a compact unit combining a high accuracy pulse meter, a solenoid valve and a large cleanable fluid screen filter with an electronic module. This module is required to control the meter and valve operation and to communicate with other system components.



Features

- Reduces installation time and eliminates the risk of leaks when using separate components
- It has a large, high visibility LED display which shows the U-valve number assigned in the system and the U-valve operation
- Four different LED lights that show the U-valve operation for diagnosis and two buttons for system configuration
- U-valve supports CAN BUS cable communication that transmits data and the electric power required to open the solenoid valve and Bluetooth® connection to a U-vision or a U-vision+ fluid handle with display
- U-valve+ includes Wi-Fi® communications for data transmission to other system components

COMPONENT TECHNICAL DATA

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|----------------------------|--|
| Function | - Controls on/off function - Dispense flow controls and monitors - Communicates data to U-net system |
| Requirements & Limitations | Requires U-power/U-power+ or U-dat/U-dat power+ power supply units |
| Power | U-valve and U-valve+ require 24 V DC supplied by a U-dat or a U-power module |
| Service Bulletin | SB 3802 |

MODELS AVAILABLE

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|-----------------|---|
| 3110-115 | U-valve meter, solenoid valve and electronic module. Includes Bluetooth® communication for connecting to a U-vision or U-vision+ |
| 3110-114 | U-valve+ meter, solenoid valve and electronic module. Includes Bluetooth® connection to a U-vision or U-vision+ and Wi-Fi® for data transmission to other components in the system |

PRODUCT SPECIFICATIONS

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| Wetted parts | Aluminum, NBR, stainless steel, acetal |
| Applications | Lubricants, antifreeze solutions * If fluid additives are used, it is recommended to install stainless steel pulse meter and stainless steel solenoid valve |
| Connection threads | 1/2" NPT(F) |
| Flow range | 1-32 qt/min (1-30 l/min) |
| Pulses per quart | 310 ppq (328 ppl) |
| Accuracy | +/- 0.5 % |
| Maximum working pressure | 1,450 psi (100 bar) |
| Solenoid valve | 24 V DC |
| Communication | CAN BUS, Bluetooth®, Wi-Fi® (U-valve+ only) |