

# IXU Ion eXchange Unit

## Introduction

This easy to service ion exchange unit of the IXU series is used for conditioning flame resistant, HFD-R-based hydraulic and lubrication fluids. They effectively remove acidic products of decomposition caused by hydrolysis and/or oxidation of the fluid. The units are applied to hydraulic and lubrication oil tanks of up to approximately 20,000 liters with volumetric flow of up to approximately 2.4 gpm (9 l/min) in the bypass flow. Mobile or stationary versions of the IXU are available. The IXU uses Ion eXchange Elements (IXE) featuring ion exchange resin developed by HYDAC

## Specifications

Neutralization Number	<0.1 mg KoH/g possible
Flow Rating	0.5/2.5 gpm (2.2/8.9 l/min.)
Operating Pressure	87 psi (6 bar) max.
Suction Pressure	-5.8 psi (-.04 bar) min.
@ Suction Inlet	14.5 psi (1 bar) max
Viscosity Range	80 to 400 SUS (15-80 cSt)
Compatibility	HFD-R
Seals	Viton
Connectors In/Out	1/2"
Weight (empty):	IXU-1: 155 lb (70 kg) IXU-4: 660 lb (300 kg)
Power Input Motor	0.25-0.6 kW
Sound Level at 1m	<80 dB
Storage Temperature	32-104°F (0-60°C)
Fluid Temperature	86° to 140° F (30° to 60° C)
Range:	
Operating Temperature	32° to 104° F (0° to 40° C)
Range	



## Features

- Real time monitoring of ISO cleanliness classes
- Longer oil change intervals
- Increase in the lifetime of operating fluids and components
- Higher machine availability
- Reduction in functional problems, e.g. with servo valves
- Easy to service unit through
  - Component replacement without tools
  - Filter elements can be removed with the cover pointing "upward"
- Ideal to combine with type FAM dewatering units
- Available to service as complete unit, modular system for retrofitting existing bypass circuits or for OEM

## Applications

- Power Plants
- Steel Industry
- Other applications with ester-based, flame resistant fluids

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