IDROBOX

flex-lance internal robot

The IdroBox is a lightweight, flexible, pneumatically powered semi-automatic robot for the internal cleaning of tubes and tube bundles. This unit offers improved operator safety and comfort, and a significant increase in cleaning rates over manual cleaning methods. Suitable for a range of tube sizes, and with adjustable and constant speed cleaning rates, the IdroBox handles most tube cleaning processes. Multiple-tube cleaning is achieved through a combination of IdroBox units and a standard framework facilitates remote indexing and operation.

Features

- flex-lance diameters 8—15 mm
- 2 metre pneumatic hose
- air treatment
- 400mm rear hose protection
- adjustable speed
- constant speed control



Technical Data

- minimum air pressure 3.0 bar
- maximum air pressure 6.3 bar
- air consumption 600 l/min (at max. speed)
- lance speed 0.5—1.4 m/s
- maximum pull/push force 220 N



use in conjunction with our

BUNDLEPRO

range of tube bundle handling equipment



IDROBOX
frame and control panel

The IdroBox frame and control panel allows semi-automatic cleaning of up to three tubes simultaneously. A robust frame supports the IdroBox combination. A control panel with easy-to-use controls allows the operator to index through the tubes remotely, ensuring the operator is at a safe distance from the work area.

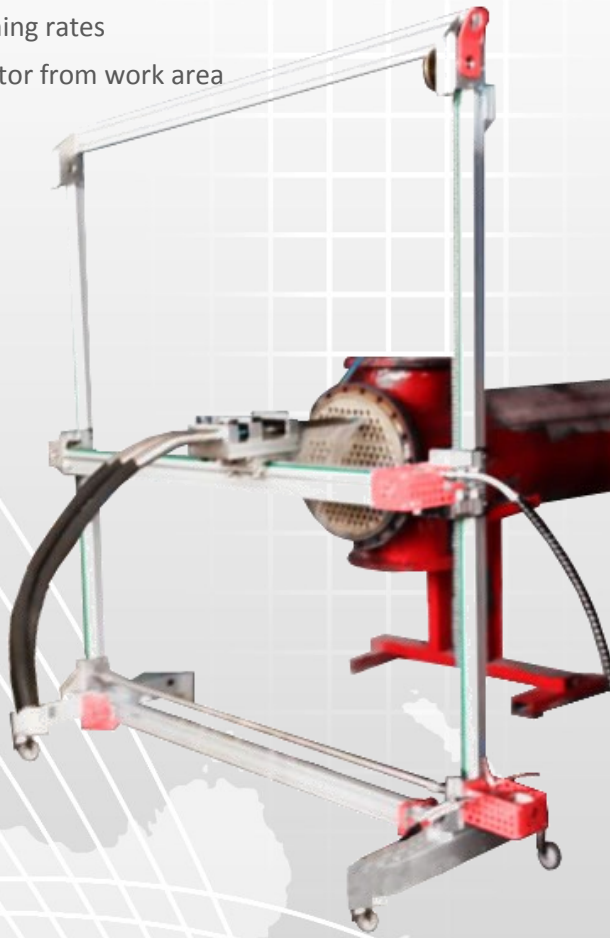


IdroBox combination



Features

- easy set up
- semi-automatic operation
- corrosion resistant materials
- modular design
- improved cleaning rates
- removes operator from work area



Technical

- frame working area: 1500 x 1500 mm
- frame speed: up to 0.1 m/s
- pneumatic motor max. air consumption: 1200 lpm
- material of construction: aluminium, stainless steel



Controls

- integrated e-stop
- simple controls
- speed adjustment
- pressure gauge
- clear indexing levers

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