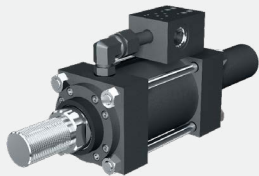


Vickers® by Danfoss EH Series Electrohydraulic Cylinder

Save time, eliminate waste, increase production



A complete industrial electro-hydraulic cylinder solution

Vickers® by Danfoss' EH series electrohydraulic cylinder combines a high-performance cylinder, precision feedback transducer, and control valve mount in one package. Advanced closed-loop motion control is readily attainable with the addition of a Danfoss proportional, servo, directional control or AxisPro® valve. The valve can be pre-mounted onto the configured cylinder and adjusted to customer specifications.

By integrating all components, the EH series cylinder eliminates the need for separate hydraulic manifolds, plumbing between control valve and cylinders, transducer mounting brackets, and other complex arrangements.

The cylinder offers infinite positioning with high repeatability, which can improve yield in the production cycle, as well as programmable motion control, which enables faster cycles than conventional hydraulic circuitry.

Vickers® by Danfoss electrohydraulic cylinders are available in NFPA tie rod, mill duty, welded, or threaded styles.

Features

- Machined manifold
- Precision solid state position transducer
- Optional cast aluminum transducer cover
- Case hardened, hard chrome-plated piston rod
- Rod cartridge assembly
- Piston sealing system
- Precision steel heads and caps

Benefits

- Provides significant cost savings over custom assemblies
- Simplifies and speeds installation and maintenance
- Eliminates leaks and piping problems
- Offers maximum durability and extended seal life
- Helps eliminate waste and increase production
- Enables distributors and OEMs to source cylinder and control valve from a single supplier

Specifications

Bore size

1.5" – 8" (38.1 mm – 203.2 mm)

Stroke length

0" – 99" (0 mm – 2514.6 mm)

Operating pressure

3,000 PSI (210 bar)

Mounting options

Side lug, head square flange, head rectangular, clevis, intermediate trunnion, cap trunnion, head trunnion

Transducer options

Balluff, MTS

Manifold options

SM 4-20, CTOP 3, CTOP 5

Valve options

Proportional, Directional, AxisPro, Servo

Customized options

Yes

Applications

- Press manufacturing
- Alternative energy
- Forestry
- Civil
- Oil and gas
- Processing
- Aerospace

EH Cylinder | Danfoss