



**Kvenna EMT**  
ENGINEERING MANUFACTURING TECHNOLOGY

# DISC VALVE



## WHO WE ARE

Kvenna EMT supplies services within engineering, manufacturing, assembly and testing for subsea, marine and power projects all over the world.

We have a range of our own-developed products which includes Soft Landing Cylinders, Levelling Jacks, Subsea Torque Tools, etc.

### VISIT

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## DESCRIPTION OF DISC VALVE

Gas tight, subsea disc valve with integrated stab receptacle. The disc valve has double metallic sealing. May be delivered with elastomeric sealing for other applications

Specially designed subsea valve with new technology. Gas tight valve with metallic seals and integrated stab receptacle. The valve can typically be used for chemical injection (MEG). The valve is fitted with double barrier metallic sealing system to fulfill requirement were this is applicable but can also be delivered with elastomeric sealing for other applications. The valve is designed according to ISO 10423.



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## KVENNA EMT SUBSEA DISC VALVE

### Features:

- The Disk Valve shall have capability for flow injection and full sealing capability from inside hub pressure cap and out.
- Pressure integrity from outside and in shall be the hydrostatic pressure.
- Design Standard: ISO 10423
- Interfaces shall be such that available space and size restrictions on HP Cap for typical KC4-10 size cap shall be met. ROV access shall be sufficient to perform valve operation and blind stab installation/removal as well as flow stab installation/removal operations.
- Designed for safe disconnection by WROV

### Design benefits:

- Cost effective product
- Weight effective
- Integrated stab receptacle
- ROV-friendly operation
- Full metallic sealing

### Technical data:

Design water depth:2000m

Sizes:½" to 3" bore

Design lifetime:25 years

Design pressure:690 bar (10k)





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## CHARACTERISTIC DATA:

### Valve Description

Body Construction	Top Entry with integrated Stab Receptacle
Trim construction	Metal sealed disc
Operation	ROV torque tool
Materials	25% Cr Super Duplex or Inconel 625
Position indicator	N/A
Weight of valve	Approx. 60 kg
Valve bore	40 mm

### Primary sealing system

Body to bonnet	Metal
Seat to body	Integrated seat
Disc to seat	Metal to Metal
Stem to body	Metal to Metal and back up seals
Resilient back up/secondary seals	PTFE lip seal

