

# HYDRAULIC DIRECTIONAL CONTROL VALVE

DATASHEET  
SERIES CHANGE OVER VALVES  
HCV C03.001-3.2



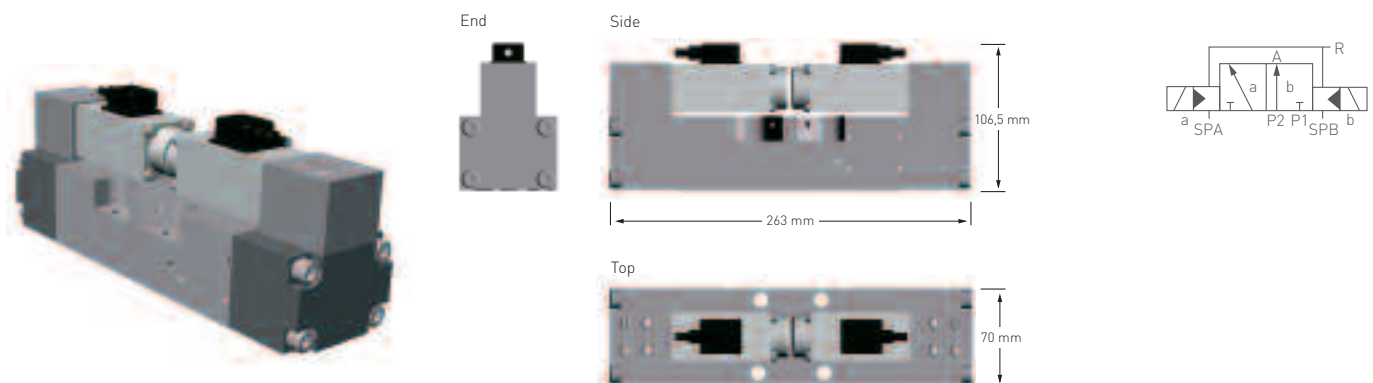
# Hydraulic Directional Control Valve

- High quality
- Excellent performance
- Reliability
- Highly comprehensive qualification test programmes
- Applicable in all subsea production control systems worldwide
- Endures extreme high pressure

## Basic Technical Specification

General	
Type	HCV C03.001-3.2
Operation	Pulse activated Solenoid/Hydraulic operation to both P1-A and P2-A position.
Port	3
Position	2
Pressure Transmitter	NA
Mounting	Subplate
Weigth	10.0 kg (22.05 lb)
Materials	
Body	AiSi 316
Slide	TuNi
Seat	TuNi
Pressures	
Proof Pressure Supply/Pilot/Return	1659 Bar / 570 Bar / 570 Bar (24.060 psi / 8.250 psi / 8.250 psi)
Supply Pressure	90 - 1210 Bar (1.300 - 17.500 psi)
Pilot Pressure	90 - 345 Bar (1.300 - 5.000 psi)
Maximum Return Pressure	345 Bar (5.000 psi)
External Pressure	400 Bar (5.800 psi)
Capacity	
Cv, P1 - A	0.2
Cv, P2-A	0.2
Steady State Leakage	Less than 0.2 ml/min
Electric Data	
Nom. Voltage	24 V
Nom. Power	12.5 W
Operations	
No. of operations @ 1210/ 345 bar 17.500/ 5.000 psi) supply pressure	15.000*
Operating Temperature	-10°C/ + 50°C (14°F / 122°F)
Fluid	
General	Water/glycol and mineral oil based subsea fluids

\*The lubricity of different fluids varies, and will influence the No. of operations. Please contact Oceaneering Rotator



# HYDRAULIC DIRECTIONAL CONTROL VALVE

DATASHEET  
SERIES CHANGE OVER VALVES  
HCV C06.003-3.2



# Hydraulic Directional Control Valve

- High quality
- Excellent performance
- Reliability
- Highly comprehensive qualification test programmes
- Applicable in all subsea production control systems worldwide
- Endures extreme high pressure

## Basic Technical Specification

General	
Type	HCV C06.003-3.2
Operation	Pulse activated Solenoid/Hydraulic operation to both P1-A and P2-A position.
Port	3
Position	2
Pressure Transmitter	NA
Mounting	Subplate
Weigth	8.7 kg (19.2 lb)
Materials	
Body	AiSi 316
Slide	TuNi
Seat	TuNi
Pressures	
Proof Pressure Supply/Pilot/Return	862 Bar / 570 Bar / 207 Bar (12.500 psi / 8.250 psi / 3.000 psi)
Supply Pressure	90 - 690 Bar (1.300 - 10.000 psi)
Pilot Pressure	90 - 345 Bar (1.300 - 5.000 psi)
Maximum Return Pressure	50 Bar, but never above supply pressure (725 psi)
External Pressure	207 Bar (3.000 psi)
Capacity	
Cv, P1 - A	0.8
Cv, P2-A	0.8
Steady State Leakage	Less than 0.5 ml/min
Electric Data	
Nom. Voltage	24 V
Nom. Power	12.5 W
Operations	
No. of operations @ 690/345 bar (10.000/ 5.000 psi) supply pressure	15.000*
Operating Temperature	-10°C/ + 50°C (14°F / 122°F)
Fluid	
General	Water/glycol and mineral oil based subsea fluids

\*The lubricity of different fluids varies, and will influence the No. of operations. Please contact Oceaneering Rotator

