

Subsea WOCS 8-Function Valve Pack

Subsea control system



- Cost effective
- Reliable field proven technology
- Simplified maintenance
- Daisy chain
- Multiple configurations
- Standardized hardware and firmware
- Redundant design
- Other configurations on request

Specifications

Subsea WOCS 8-Function Valve Pack

General technical specifications

Manufacturer	Envirex AS
Part number	103976
Description	Subsea WOCS 8-Function Valve Pack
Weight (in air / submerged) [kg]	210kg / 160kg
Depth rating	3048m / 10.000ft
Operating temperature	-10°C / + 60°C (14°F / 122°F)
Dimensions (W x H x L) [mm]	400 x 740 xx 198

Electrical data

Nominal voltage	20 ... 30 VDC
Nominal power	10.6 W
Nominal current	0.44 A
Max. power	192 W
Max. current	8A
Communication	Ethernet – Modbus TCP/IP

Hydraulic data

Number of function lines	8x
DCV type	HCV151.11.11.13-3.2
DCV description	3/2 way Metal to Metal Seal Hydraulic Control Valve
Max. supply pressure	345 BAR (5000PSI)
Max. operating pressure	345 BAR (5000PSI)
Max. return pressure	345 BAR (5000PSI)
Max. comp. pressure	0.7 BAR (10.15PSI)
Fluid	Most common subsea fluids*

* The lubricity of different fluids varies and will influence the no. of operations. Please contact us for more information.

Performance data

[FL01 ... FL08]	Cv P-A = 0.23 Cv A-R = 0.20
Steady State Leakage [By-pass Valve]	Less than 0.2ml/min Cv P-A = 1 Cv A-R = N/A
Steady State Leakage	Less than 0.2ml/min
No. of operations @ 35 BAR	25000 **

** The lubricity of different fluids varies and will influence the no. of operations.

Note: The specification details are illustrative for marketing purposes only.
Actual equipment may be different as a result of product improvement or other reasons.
Specific interface and performance information should be reconfirmed at time of order placement.

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Connection specifications

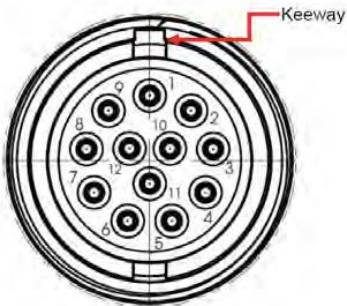
Hydraulic

Supply	[S]	AE 9/16" Medium Pressure, Female (SF562CX20)
Return	[R]	AE 9/16" Medium Pressure, Female (SF562CX20)
Accumulator port	[A]	AE 9/16" Medium Pressure, Female (SF562CX20)
Function lines	[FLO1 ... FLO8]	AE 3/8" Medium Pressure, Female (SF375CX20)
Compensator port	[COMP]	AE 3/8" Medium Pressure, Female (SF375CX20)
Comp. fluid fill port	[FILL PORT]	Swagelok Quick Connector (SS-QC4-B-400)
Chamber drain port	[Drain Port]	1/4" BSPP Female

Electric

Connector	GISMA S-10 12-Pin size 4 (OEM P/N: 10.00.4.12.3.10)
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Pin-out



J1 -Connector A

- Pin 01 – 24 VDC
- Pin 02 – 0 VDC
- Pin 03 – TX + (J17)
- Pin 04 – TX – (J17)
- Pin 05 – RX + (J17)
- Pin 06 – RX – (J17)
- Pin 07 – TX + (J18)
- Pin 08 – TX – (J18)
- Pin 09 – RX + (J18)
- Pin 10 – RX – (J18)
- Pin 11 – Screen
- Pin 12 – NC

J2 – Connector B

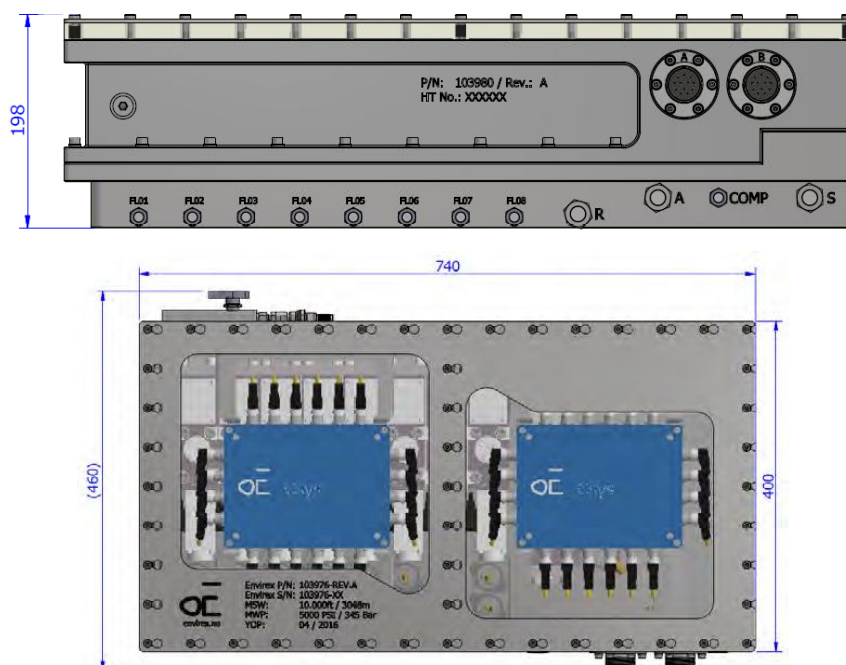
- Pin 01 – 24 VDC
- Pin 02 – 0 VDC
- Pin 03 – TX + (J17)
- Pin 04 – TX – (J17)
- Pin 05 – RX + (J17)
- Pin 06 – RX – (J17)
- Pin 07 – TX + (J18)
- Pin 08 – TX – (J18)
- Pin 09 – RX + (J18)
- Pin 10 – RX – (J18)
- Pin 11 – Screen
- Pin 12 – NC

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Dimensions



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