

Subsea Concepts Inc.

Positive Pressure Compensator

Model PPC-029



Description:

The Concepts Model PPC-029 is a Positive Pressure Compensator for pressure compensation of small volumes in the subsea environment. It is available configured to provide maximum pressures of either 9 psi or 18 psi (suitable for use with either 10 psi or 20 psi relief valves (standard), higher setting relief valves are optional up to 300 psi). The unit may also be equipped with an optional integral linear transducer to provide an accurate fluid fill level. The unit is constructed from materials suitable for subsea use and is compatible with most fluids used in typical subsea hydraulic systems (specials can be provided for specific unusual fluids).

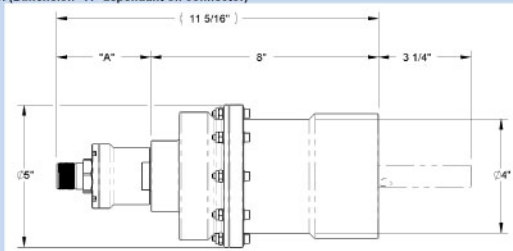
Specifications:

Pressure Rating	300 PSI
Depth Rating	4000 MSW (limited by transducer)
Materials	6061 Aluminum/316 Stainless Steel/Acetal
Active Volume	29 cu-in (1 US Pint)
Ports	2 x #4 SAE, 1 x #8 SAE (not available for use with transducer option)
Relief Setting	20 psi (other options on request up to 300 psi)

Transducer Details

Operating Voltage	6-32 VDC
Operating Current	<100 mA
Output Options	0-10 VDC Standard (0-5 VDC , 0-2.5 VDC Options)
Accuracy	> 1 %
Resolution	16 Bit Equivalent
Wiring	3 Wire, Common, Signal, Power
Connector	Per Client Requirements (Seacon 55 Series Shown)

Dimensions: (Dimension "A" dependant on connector)



Ordering Information:

PPC029-020-T

T = With Transducer, O = No Transducer

Relief Setting 020 = 20 psi

Example: PPC029-100-T is has a 100 psi relief valve & transducer.

Subsea Concepts Inc. products are sold exclusively in the US by:

CA Richards & Associates Inc., One Eldridge Plaza, 777 N. Eldridge, Suite 280, Houston, Texas 77079

Phone: 281 531-7417

Fax: 281 531-7456

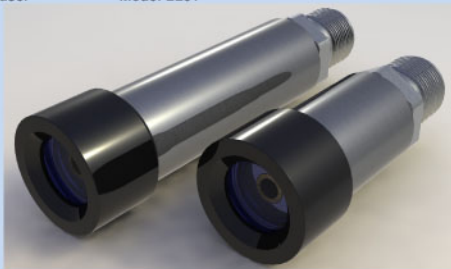
Email: nsales@carichards.com

Web: <http://www.carichards.com>

Subsea Concepts Inc.

Subsea Line Laser

Model LL01



Description:

The Concepts Model LL01 is a low power consumption line laser with an emitting angle of approximately 90° and is available with a red beam. Its construction material is suitable for subsea use and it is available with a variety of subsea connectors (Standard Connector is a Seacon 55 Series 15 Shell 2 Pin other options on request, including EO, GlobeCon & Hummer). The unit is capable of operating on a wide range of input voltages and a battery pack is an option.

This unit is optimized for battery powered usage. It is not suitable for use in high ambient lighting conditions.

Specifications:

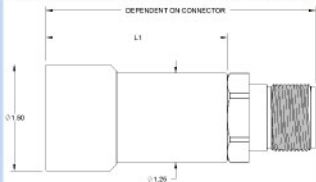
Pressure Rating	6,000 PSI (4000 m Sea Water)
Housing Material	316 Stainless Steel/Acetal/Sapphire
Emitting Angle	110°
Output Power	<5 mW
Laser Class	II
Operating Voltage	3-5 VDC or 6-32 VDC with optional Extended Range Power Board
Operating Current	<30 mA
Wave Length	650 nm
Laser Line Length	2.0 meters @ 1 meter distance

Standard Pin Outs:

Pin 1	-vdc
Pin 2	+vdc

Dimensions:

L1 = 2.56" for Standard Power and 3.19" for Optional Power



Ordering Information:

LL01-Cxx

S = Standard Power 3-5 VDC, O = Optional Power 6-32 VDC
Connector | 1 = 5503-1502, 2 = EO 59F2F1, 3 = Seacon GLOBK5-BCR, 4 = Seacon HUMK5-BCR
Others connectors on request

Example: LL01-C1S is has a 5507-1502 connector and 3-5 VDC Input.

Subsea Concepts Inc. products are sold exclusively in the US by:

CA Richards & Associates Inc., One Eldridge Place, 777 N. Eldridge, Suite 280, Houston, Texas 77079

Phone: 281 531-7417

Fax: 281 531-7456

Email: nsales@carichards.com

Web: <http://www.carichards.com>

Subsea Concepts Inc.

Subsea Magnetic Switch Model MS01



Connector Option 01
EO 59F2F1



Connector Option 02
Cooper 5507-0963



Connector Option 03
GlobeCon GlobeKS-BCR



Connector Option 04
Hummer HUMKS-BCR

Description:

The Concepts Model MS01 is a magnetically operated single pole normally open contact switch specifically designed for use in a subsea environment. Its construction material is suitable for subsea usage and is available with a variety of subsea connectors.

Specifications:

Pressure Rating	10,000 PSI
Housing Material	316 Stainless Steel
Actuation Distance (using standard actuator magnet)	0.25 inch
Contact Ratings:	
Power	5 Watt Max.
Switching Voltage	175 VDC Max.
Switching Current	0.35 Amps Max.
Resistance	0.16 Ω Max.
Capacitance	0.2 pF Typical
Operating Temperature	-40 to +85 °C
Operate Time	0.35 mSec Max.
Release Time	20 μ Sec
Shock	150 g @ 11 mSec - 1/2 sine
Vibration	10 g @ 50-2000 Hz

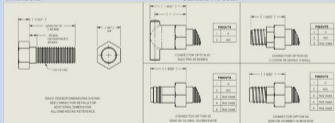
Actuator: Part Number - MSA1



MSA1-LS = Standard Length Actuator
MSA1-LX.xx = Custom Length where XX.xx = custom length in inches (i.e. L1.5 = 1.5 inches).

Dimensions:

Standard Pin Outs:



Ordering Information:

MS01-Cy-Lx

Length | S = Standard Length, Cx.xx = Custom Length where xx.xx = Shank Length in Inches
Connector | 1 = EO 59F2F1, 2 = 5507-0963, 3 = Season GLOBEKS-BCR, 4 = Season HUMKS-BCR

Example: MS01-C2-LS is standard length with a 5507 connector.

Subsea Concepts Inc. products are sold exclusively in the US by:

CA Richards & Associates Inc., One Eldridge Place, 777 M. Eldridge, Suite 200, Houston, Texas 77079

Phone: 281 531-7417

Fax: 281 531-7456

Email: saales@carichards.com

Web: <http://www.carichards.com>