

DAMEN PRESSURE TRANSMITTER

GENERAL

DGC pressure transmitter has been designed for harsh and abrasive environments in the dredging industry. The pressure transmitter can be used at any dredge application with hydraulic soil transport by means of a dredge pump through a pipeline. There are pressure transmitters for inboard- and submersible applications.

For transformation of the physical process values into electrical signals the following pressure transmitters are available:

- Vacuum
- Pressure
- Differential pressure
- Absolute/Relative pressure

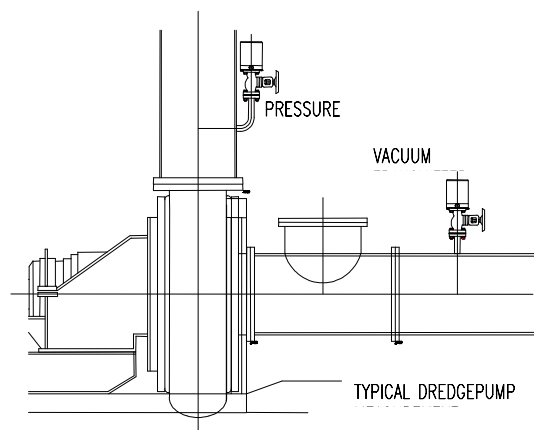
Pressure transmitters can be used for:

- Glandwater pressure
- Jetwater pressure
- Hydraulic pressure
- Dredgepump vacuum/pressure

INBOARD Pressure transmitter



SUBMERSIBLE Pressure transmitter



The pressure transmitter is provided with a rugged ceramic sensor. The line pressure acts directly on the ceramic diaphragm of the pressure sensor. Due to its construction, the ceramic sensor has a very good overload resistance. Water hammer effects and pressure surges will not damage the ceramic sensor diaphragm. The inboard pressure transmitters are supplied with a stub-pipe and shut-off valve.

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FEATURES:

- Reliable and rugged design
- Complete range of well proven Ceramic pressure transmitters
- Withstands overpressure bursts
- Power supply 24 Vdc
- Analogue output 4 to 20 mA
- No maintenance required

TECHNICAL DATA

PRODUCT SUMMARY

	Standard	Optional
Transmitter with gauge type sensor	•	
Transmitter with absolute type sensor		•
Transmitter with delta-P type sensor		•
Calibration certificate	•	
Stub-pipe	•	
Shut-off valve	•	
Cable gland (in-board type)	•	
Subsea version Subconn [®] connector	•	
DGC cable with Subconn [®]		•
Special cable termination on request		

GENERAL SPECIFICATIONS

Power supply	: 24 Vdc
Signal output	: 4 to 20 mA
Standard accuracy	: 0,2 %
Overpressure limits	: up to 40 times of nominal pressure
Vibration proof	: 10 g
Operation temperature	: -20°C +70°C
Dry weight (in-board type)	: approx. 8 kg (incl. stub-pipe and shut-off valve)
Dry weight (subsea type)	: approx. 12 kg (incl. mounting bracket)

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DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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