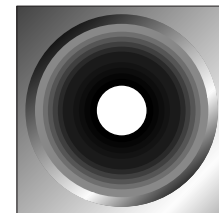
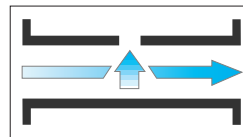


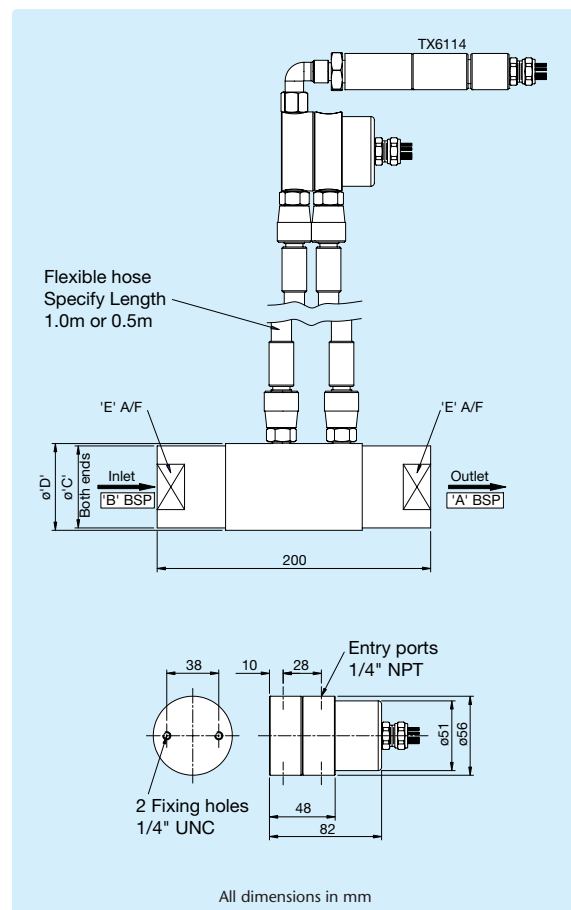
LIQUID FLOW SENSOR

Combination sensor to monitor both flow and pressure on heavy mining machinery.

- Clear bore flow path with no invasive components. No springs, no levers, no mechanical shuttles.
- High flow capability at high static pressure, for use with water and oil.
- Precision D.P. flow sensing system with full range temperature compensation.
- Corrosion resistant ceramic pressure capsule for accurate analogue pressure monitoring gives high overpressure capability and superior long term stability.
- When connected to the TX9042 Programmable Sensor Controller, digital signal processing gives an accurate display for both parameters. Capable of detecting very small changes in flow.
- Remote monitoring of line pressure and DP to improve integrity on heavy duty machinery. Cutters, Shearers, Road headers, Loaders, Hydraulic power packs, Pumps, Compressors, Material handling machines, Hydraulic couplings, Spraying and cooling installations, Lubricating systems.


TX6022


Non-invasive



Technical Details

Pipe Size:	G1" (up to 150 l/m full scale). G2" (150 l/m...400 l/min full scale).
Flow Measuring Range:	4...30 l/min. up to 45...400 l/min.
Pressure Range Options:	0...50 bar and 0...200 bar. Other ranges available to specification.
Maximum Pressure Drop:	0.9...2.9 bar (flow independent).
Accuracy:	±2% of full scale.
Repeatability:	±1% of full scale.
Temperature Limits:	-10°C...50°C.
Supply Voltage (Pressure):	+12V dc (nominal).
Supply Voltage (Flow):	+5V dc (nominal). (The flow sensor is supplied from the monitoring equipment).
Output Signal – Flow:	0.5...4.5V dc for the calibrated range.
Output Signal – Pressure:	4...20mA for the calibrated range.
Protection Classification:	Dust and waterproof to IP66.

Certification and Approvals

Ex Group I EEx ia I, M1

CE Designed to comply with the following EC directives:
 ATEX directive 94/9/EC
 EMC directive 89/336/EC

Order Reference

TX6022 LIQUID FLOW SENSOR.

Please specify additional information:

Flow range required:
 Line pressure required:
 Hydraulic hose length:

Flow Monitoring System

In order to linearise the flow signal, the TX6022 needs to be utilised with one of the control units shown below.

FLOW MONITOR

Single channel flow monitor with digital display and setpoint alarms.



PROGRAMMABLE SENSOR CONTROLLER

8 channel programmable flow monitor with digital display, setpoint alarms, datacomms and data logging.

