



APPLICATION NOTE

APP #106

Revision History

Date	Author	Description
01-27-15	DEW	Created initial version
01-28-15	DEW	Revisions to copy, photo replaced p 4 Wiring Diagram updated
01-29-15	DEW	Wiring Diagram updated ver 1-29-15
02-10-15	DEW	Updated to 3 pages
10-26-17	DEW	Add new installation diagram/wiring for new Transducers
05-03-19	DEW	Change to 'C', correct drawing, add install instructions for C
02-24-2020	DEW	Updated diagrams to show new Pack-Con wiring
10-16-2020	DEW	New drawing for drain shield

Installation for Newer Transducers (see diagrams)
MCS-150AC, MCS-200C, MCS-200C
MCS-500C, MCS-667C

MCS-PRESSURE TRANSDUCER
Installation for Older Model
MCS-150A, MCS-200, MCS-250
MCS-500, MCS-667

If you have any questions regarding this release, contact: support@mcscontrols.com

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Pressure Transducers - MCS-150AC, 200C, 500C, 667C

1. TRANSDUCER (packaged in Static Wrap)



2. SHIPPED FROM FACTORY (with protective cap)

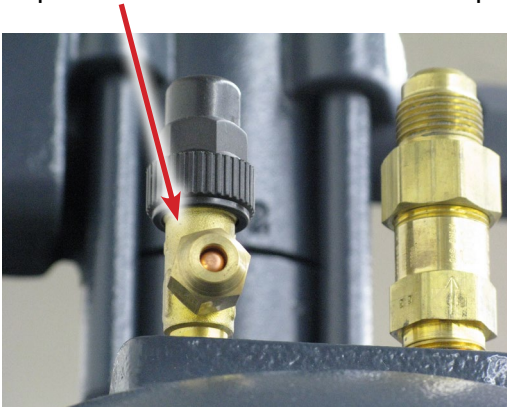
Make sure you are using the correct transducer for



the unit you are measuring the pressure on.

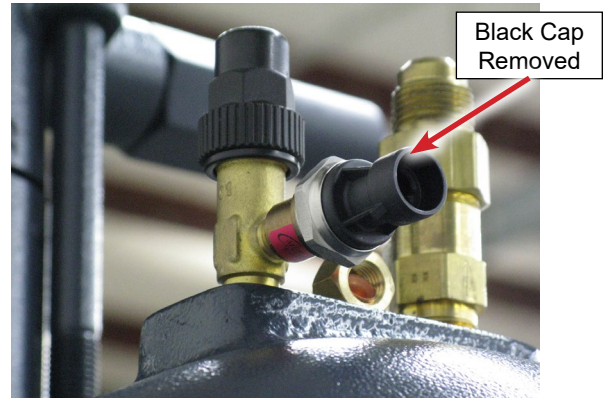
3. PRIOR TO INSTALLING ON FITTING

Showing typical angle valve on Hanbell Screw Compressor where Transducer will be placed.



4. TRANSDUCER MOUNTED TO ANGLE VALVE

Hand tighten to valve.



MCS Transducers are manufactured with a 7/16-20 UNF-2B, using a 45° flare fitting.



a. No Teflon tape required for sealing.

**b. Recommended tightening torque:
8 – 10 ft-lbs (12.2 – 13.5 N-m).**

5. INSTALL PACKARD CABLE

Supplied with MCS-Pressure Transducer.



6. WIRE AS PER THE DIAGRAM (next page)

Be sure to follow all recommended codes when installing any electrical product.

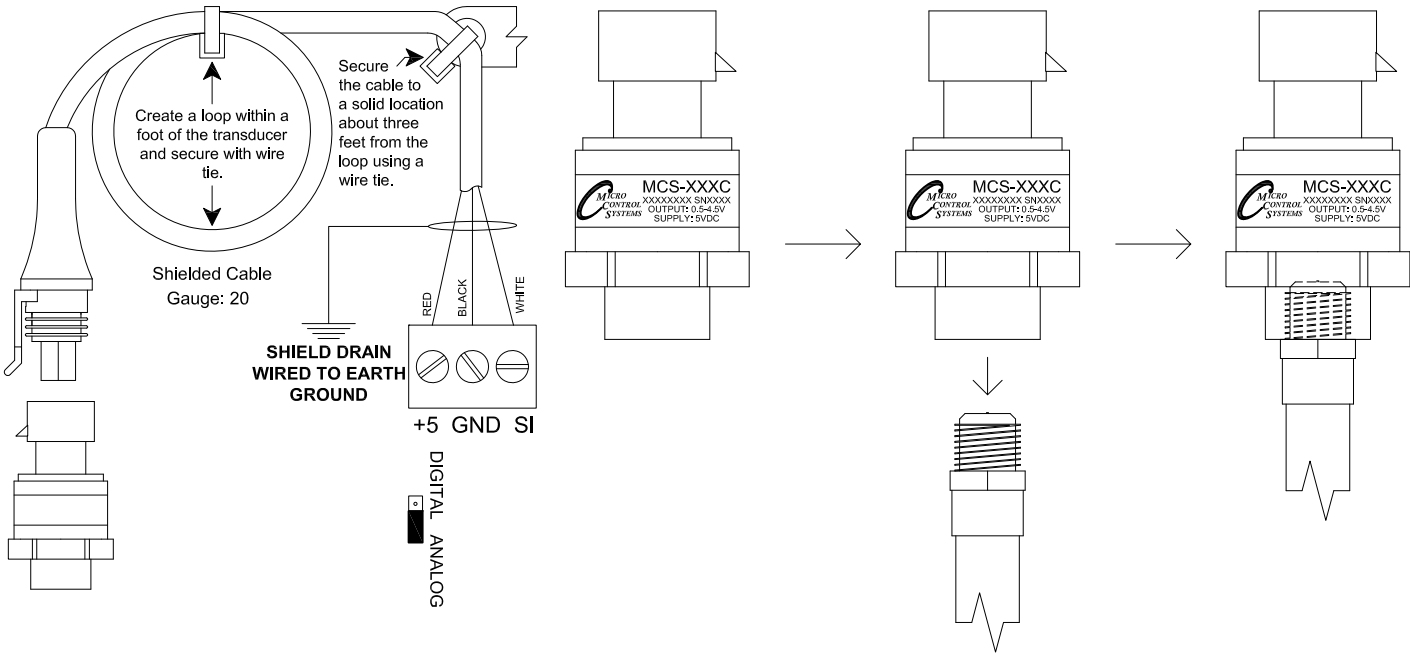
WIRING AND INSTALLATION DIAGRAM

New style - Part # Ending with 'C'

MCS-Pressure Transducer

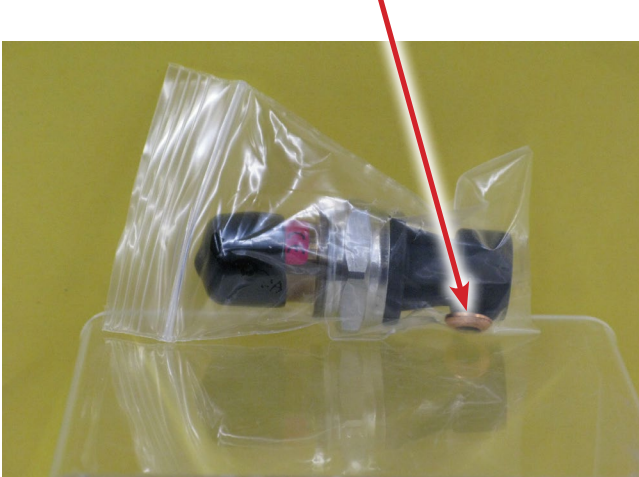
Installation Diagram

Installation Steps:



1. PACKAGING

Transducer with Washer



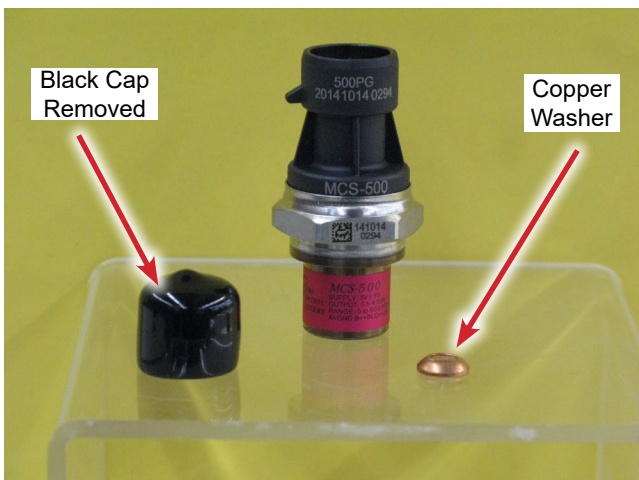
2. TRANSDUCER AND PARTS

Transducer, black protector and washer removed from bag



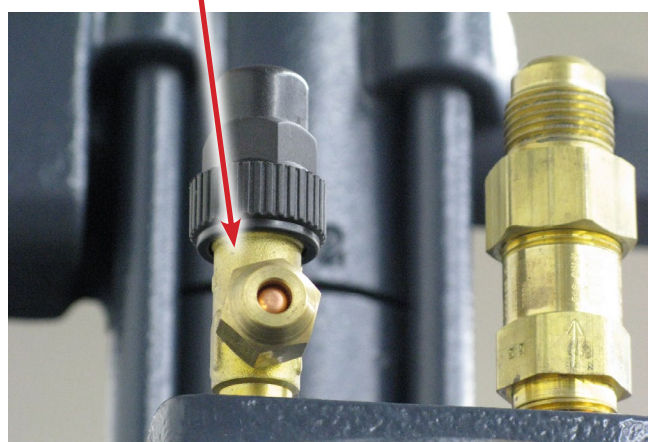
3. TRANSDUCER PARTS

Transducer parts before installation



4. PRIOR TO INSTALLING ON FITTING

Showing typical angle valve on Hanbell Screw Compressor where Transducer will be placed.



5. PLACEMENT OF WASHER

Showing correct placement of washer, make sure placement of washer is with bevel out.



6. TRANSDUCER MOUNTED TO ANGLE VALVE

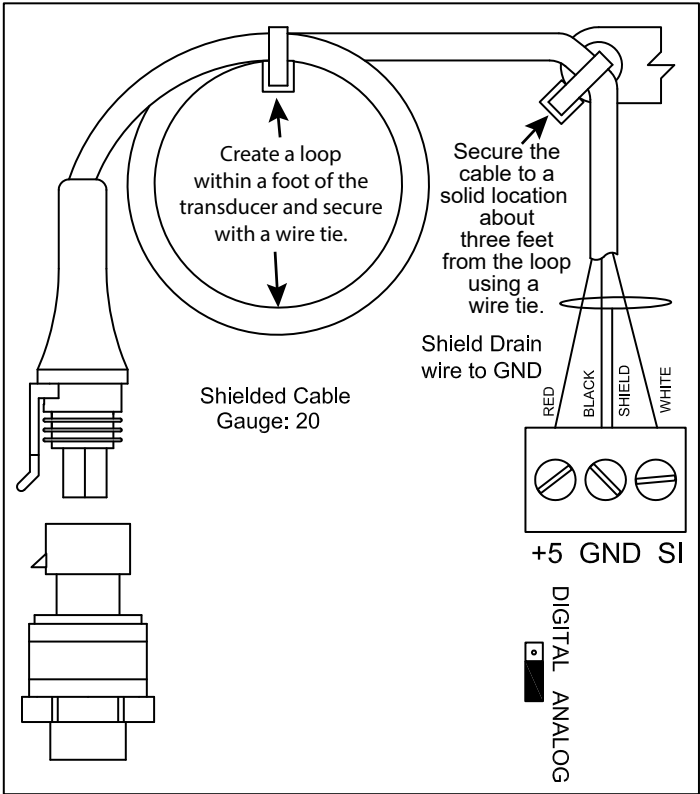
Finished placement of MCS-TRANSDUCER



WIRING AND PARTS DIAGRAM

MCS-PRESSURE TRANSDUCER 'B' (old style with washer)

Wiring Diagram



Installation Steps:

