



# 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                   |

## **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](mailto:support@mcscontrols.com)

Micro Control Systems, Inc. 5580 Enterprise Parkway Fort Myers, Florida 33905  
(239)694-0089 FAX: (239)694-0031 [www.mcscontrols.com](http://www.mcscontrols.com)

Information contained in this document has been prepared by Micro Control Systems, Inc. and is copyright © protected 2019.  
Copying or distributing this document is prohibited unless expressly approved by MCS.

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

## 1. TRANSDUCER (packaged in Static Wrap)



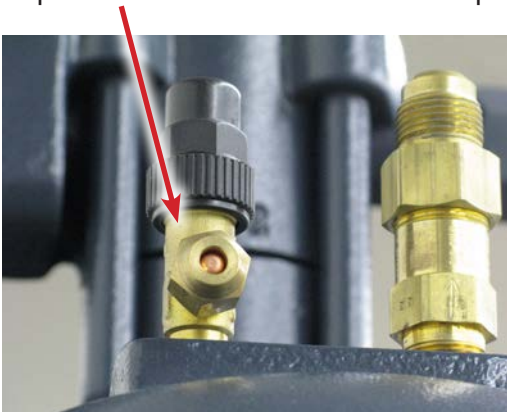
## 2. SHIPPED FROM FACTORY (with protective cap) Make sure you are using the correct transducer for



the unit you are measuring the pressure on.

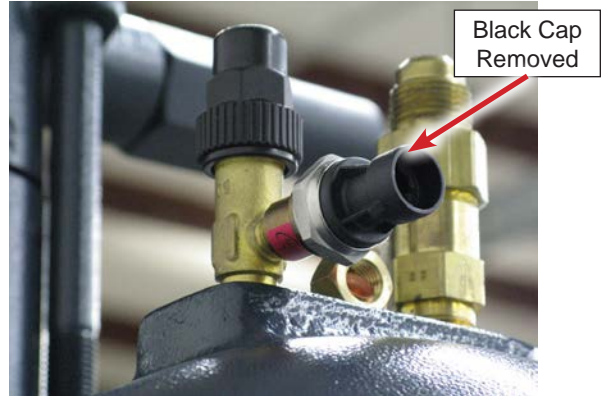
## 3. PRIOR TO INSTALLING ON FITTING

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)

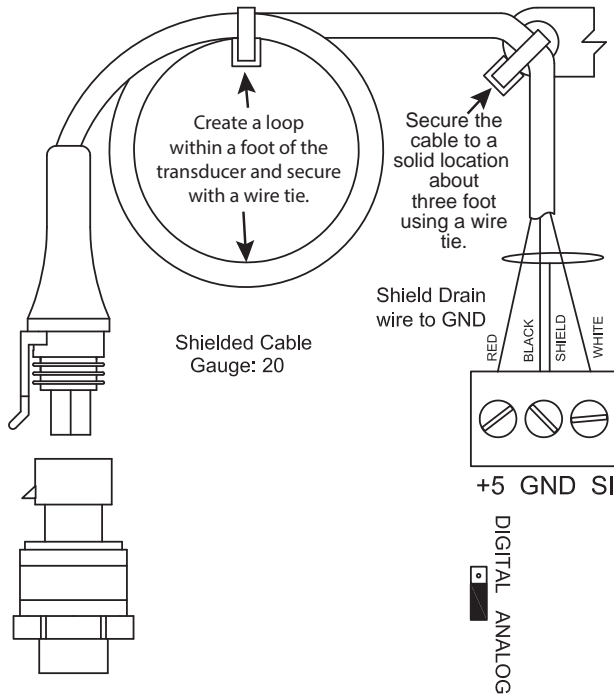
Be sure to follow all recommended codes when installing any electrical product.

## WIRING AND INSTALLATION DIAGRAM

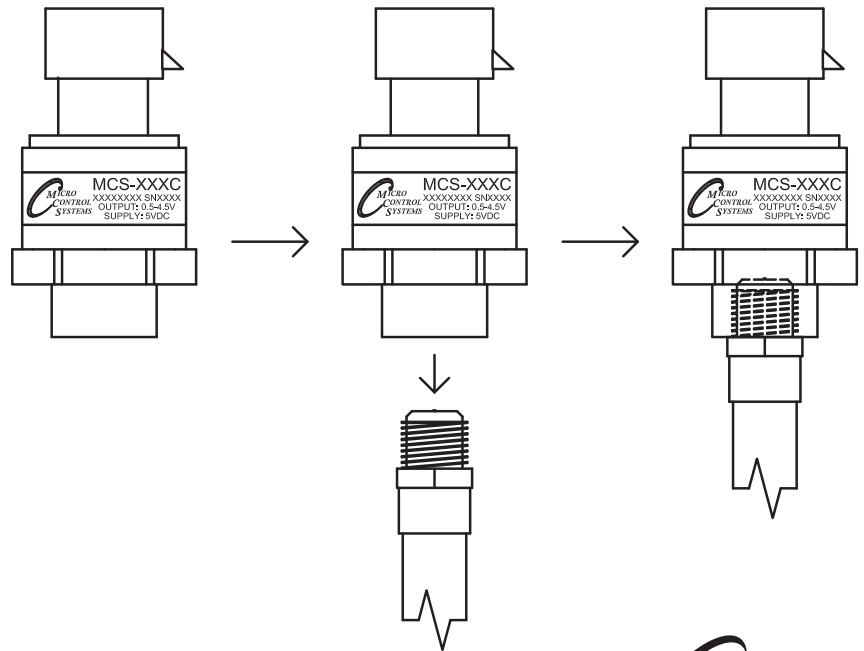
### New style - Part # Ending with 'C'

#### MCS-Pressure Transducer

Wiring and Installation Diagram



### Installation Steps:



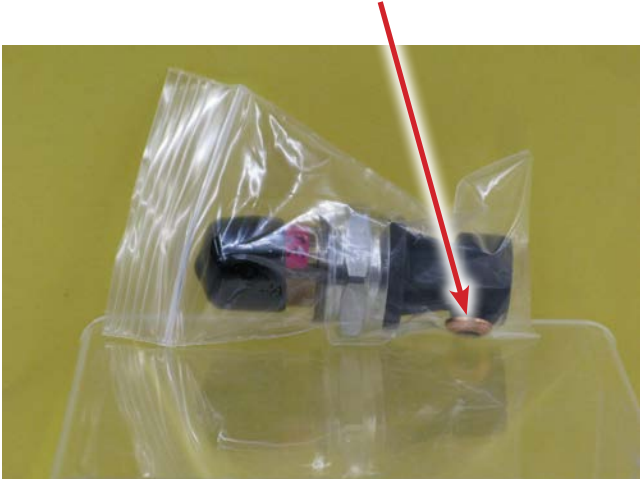
5580 Enterprise Pkwy, Fort Myers, FL 33905 USA  
Phone: (239) 694 0089 - Fax: (239) 694 0031  
www.mcscontrols.com - support@mcscontrols.com

MCS-Pressure Transducer Wiring and Installation Diagram.pdf



### 1. PACKAGING

Transducer with Washer



### 2. TRANSDUCER AND PARTS

Transducer, black protector and washer removed from bag



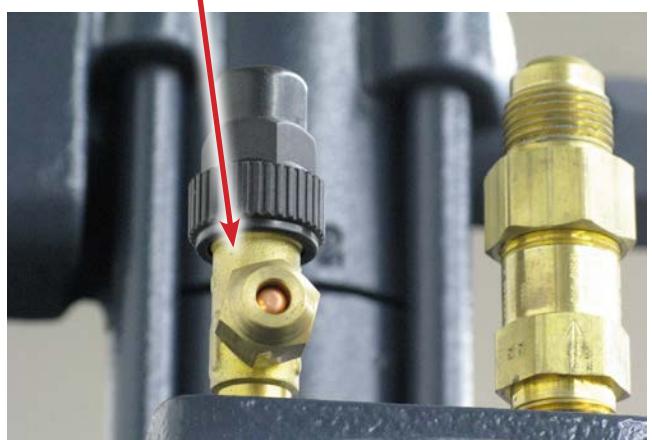
### 3. TRANSDUCER PARTS

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

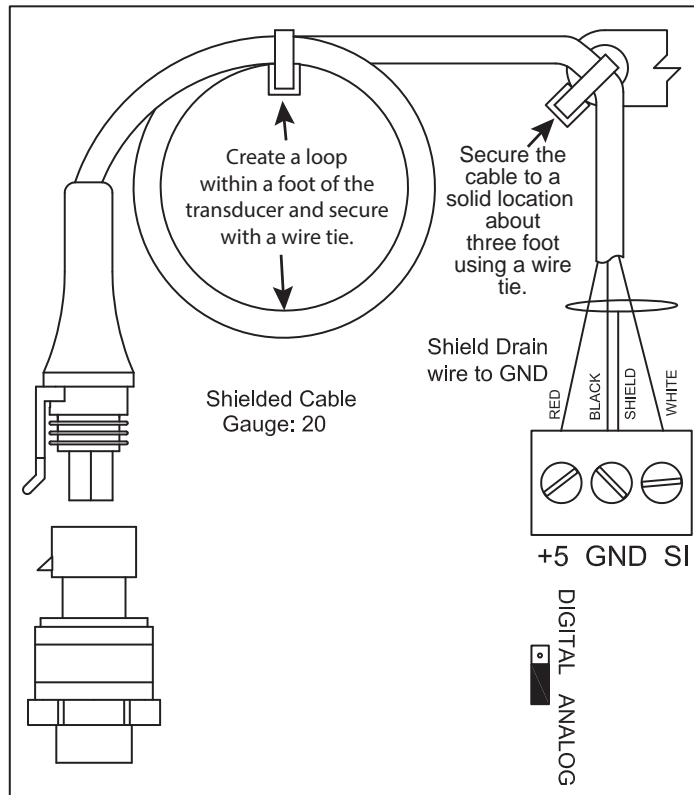
Finished placement of MCS-TRANSDUCER



## WIRING AND PARTS DIAGRAM

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

Wiring Diagram



### Installation Steps:

