Test and Set Pressures for Pressure Switch Assemblies

The information on this document is strictly confidential and may not be reproduced in any way without prior written permission of Argus
PRINTED COPIES ARE UNCONTROLLED

1.0 PURPOSE

To outline the test pressures for Pressure Switch assemblies as identified in the Work Instruction AMC-WI096.

2.0 TEST PRESSURES

Table 1: Test Pressures by Pressure Switch Model

Pressure Switch Model	Hydrostatic Test Pressure (60 Second Duration)	Maximum Working Pressure (MWP)
1.0	2000 [1] psi [13790 kPa]	1333psi [9190 kPa]
2.0		
8.0	7500 [2] psi [51710 kPa]	5000psi [34475 kPa]
14		
20		
50		

Notes:

1) Test pressure may be exceeded by up to 200 psi [1380 kPa] to allow for stabilization during testing.
2) Test pressure may be exceeded by up to 300 psi [2070 kPa] to allow for stabilization during testing.

3.0 SET PRESSURES

Table 2: Set Pressures by Pressure Switch Model

Pressure Switch Model	Standard Min. Set Pressure	Standard Max. Set Pressure	Typical Test Gauge Pressure Rating [3]
1.0	20 psi [140 kPa]	100 psi [690]	300 psi [2000 kPa]
2.0	40 psi [275 kPa]	200 psi [1380 kPa]	
8.0	80 psi [550 kPa]	800 psi [5515 kPa]	
14	150 psi [1035 kPa]	1400 psi [9650 kPa]	
20	250 psi [1720 kPa]	2000 psi [13790 kPa]	2000 psi [14000 kPa]
50	1500 psi [10340 kPa]	5000 psi [34475 kPa]	10000 psi [70000 kPa]

Notes:

3) Appropriate test gauge in the above table is dependent on the standard minimum set pressure for each model of Pressure Switch. Different set pressures may require different test gauges. Tester to use gauge appropriate for the required set pressure.

PROFESSIONAL ENGINEER ALBERTA
MARK SHEEHAN
2024-03-07
ID# 80284

PERMIT TO PRACTICE
ARGUS MACHINE CO LTD
RM SIGNATURE:
RM APEGA ID #: 71094
DATE: 08 Mar 2024
PERMIT NUMBER: P008389
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Created By:	Malvin Pran
Created Date:	05 Apr 2021
Approved By:	Alisdair Blackley
Approved Date:	07 Mar 2024
ECN No.:	03013