

Hydrostatic Test Certificate

Pump Model :

Serial Numbers :

Maximum Working Pressure (A) :

Hydraulic Test Pressure (A x 1.5) :

Reference Pressure Gauge Number :

This Hydrostatic Test Certificate is in accordance with Works Instruction WI-FA-147 Rev B

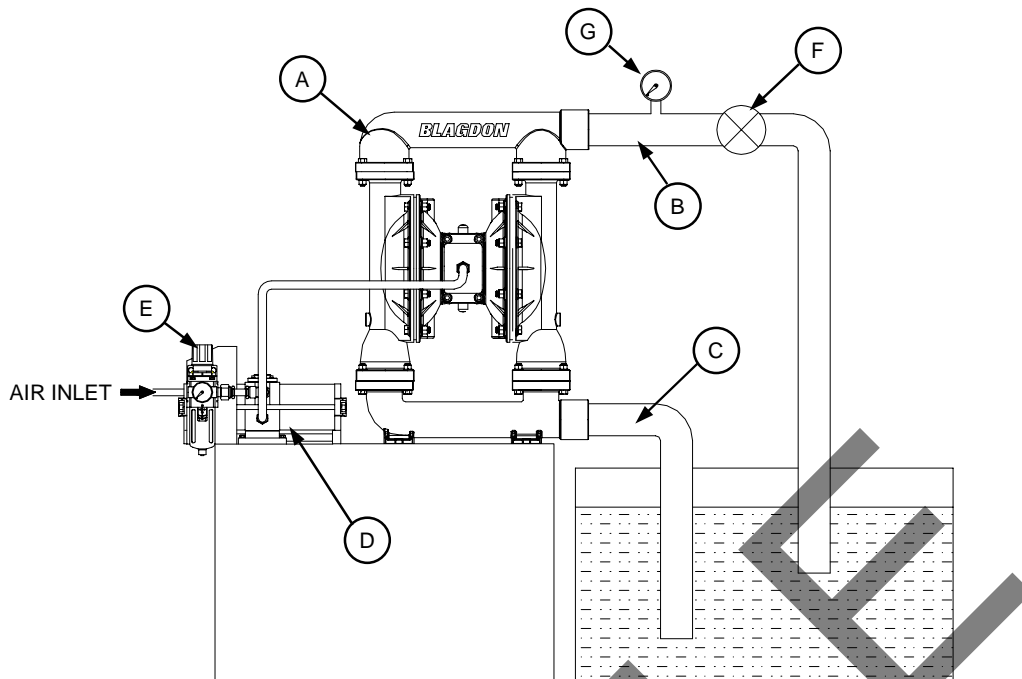
Signed:.....

Position:

Dated:

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HYDROSTATIC TEST - PUMPS



Pump Type : All Double Diaphragm Pumps

Test Equipment : Intensifier Unit + Standard Bench Test Rig

Test Parameters: Pumps must be capable of withstanding a test pressure equivalent to 1.5 x the normal operating pressure maximum. (eg. if normal pressure = 8Bar - Test @ 12 Bar.) No external leakage is permissible from any joints for the duration of the test.

The test pressure must be maintained for 1 minute, both fluid chambers.

Test Procedure

1. Test pump (A) in accordance with standard pump test procedures.
2. Without disconnecting the fluid connections, (B) & (C), disconnect the standard air supply & connect air intensifier (D).
3. With intensifier pressure regulator (E) set at zero, gradually increase pressure until pump cycles.
4. Close discharge pipe control valve (F) until pump stalls.
5. Gradually increase intensifier pressure regulator until fluid pressure gauge (G) reads desired test pressure. (see test parameters)
6. Time stall period in accordance with above parameters. Ensure both fluid chambers are tested by cycling pump via the fluid control valve.
7. Check for fluid leakage around all joints during the test period. If any are evident, check, rectify & re-test.
8. Reduce air pressure to 3 Bar & open fluid control valve. Check pump cycles freely & evenly.
9. Close air supply, vent any pressure air & open fluid control valves. Remove all fittings and drain any excessive fluid from pump.

WI-FA-147

Rev. B

29.08.06

Reviewed by :- A. Thirlwell