

BOILER TECHNICAL GRAM

Number: 2017-04

Date: 09/19/17

To: Authorized Inspectors
Authorized Inspection Agencies
Deputy Inspectors

From: Office of the Chief Boiler Inspector
TDLR, Compliance Division, Boiler Program

Subj: Boiler Technical Grams

Re: Hotsy Boilers

Ref: Texas Boiler Administrative Rule: 65.2(30) – High Temperature Water Boiler

The referenced defines a high temperature water boiler.

Hotsy installed numerous non-ASME Code boilers in Texas over several years. The department has conducted a special inspection of the 3/4" and 1/2" designs currently in use. Both will be included in the Texas Special designation assigned to these non-standard boilers.

Use the attached sample Boiler Inspection Report as a guide when conducting the inspection. These boilers are built to another standard other than ASME so the following information is included in this technical gram to aid in the inspection, in addition to the attached sample report.

1. Construction is not conducive for a meaningful internal inspection so only a certificate external inspection will be required. The coil is easily accessed through the bottom by either kneeling, mirrors or borescope.
2. Maximum Allowable Working Pressure (MAWP)
 - a. 3/4" model - Use the listed pressure on the pump.
 - b. 1/2" model - Use the listed pressure on the pump.
 - i. The manufacturer pumps are rated up to 5,000 psi.
3. Low Water Fuel Cutoff (LWFC) – Legacy MV60 flow switch MAWP – 4,350 psi
4. Safety Relief Valve (SRV) set pressure 500 psi above pump pressure at the factory for both 3/4" and 1/2" models. The SRV and the unloader valve are sealed by the factory or by an authorized facility.
 - a. If the seal on top of the SRV is compromised, it shall be documented as a violation.
 - b. Inspect the unloader valve seal. It is located next to the flow switch.
5. The pressure gage is located next to the SRV.

6. While conducting the operation test, inspect the pump to ensure the pressure does not exceed the pressure on the nameplate MAWP.
7. Instruct the owner/operator to conduct an operation test of the unit to ensure proper operation, i.e. the burner is off when the pressure gun nozzle is off and the SRV and other components are not leaking.

Any questions regarding this Technical Gram should be addressed to the Chief Boiler Inspector or an Inspection Specialist.

Sincerely,



Robby D. Troutt
Chief Boiler Inspector
TDLR – Boiler Program

Assembled in USA



Use Approved Detergent Only
Contains components from one or more of the following countries:
United States, China, Italy, Japan and Thailand.

Nameplate



MODEL NO:
5732SS-LP



MFG PART NO:
1.109-655-9

SERIAL NO:
11096559-100022



PSI: 3000
GPM: 7.8
Nozzle Size: 09
Model: 5732SS
Altitude: 0-2000 ft
230VAC
42A
60 Hz
3-Phase

Gas psig: 1/2
Max Temp: 225°F
713,600 BTU in
56 Burn Orf
10.0" WC
Fuel: LP



CODE:0617

CONFORMS TO: UL STD 1776

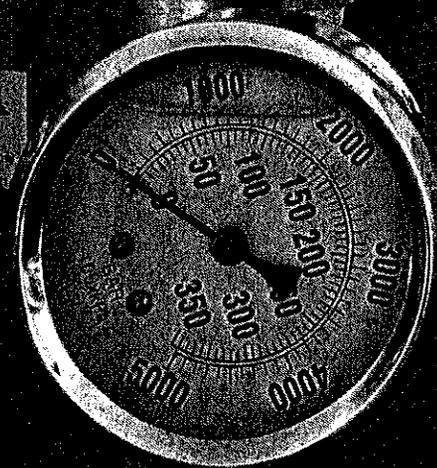
<http://www.hotsy.com>

CERTIFIED TO CAN/CSA STD GSA B140.0



AUTHORIZED
SALES, DETERGENT &
SERVICE CENTER
WE SERVICE

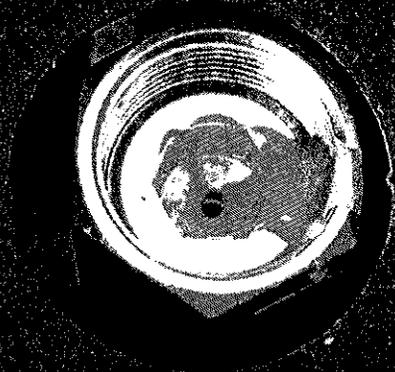
Safety Relief Valve



Pressure gauge to be
read immediately as available

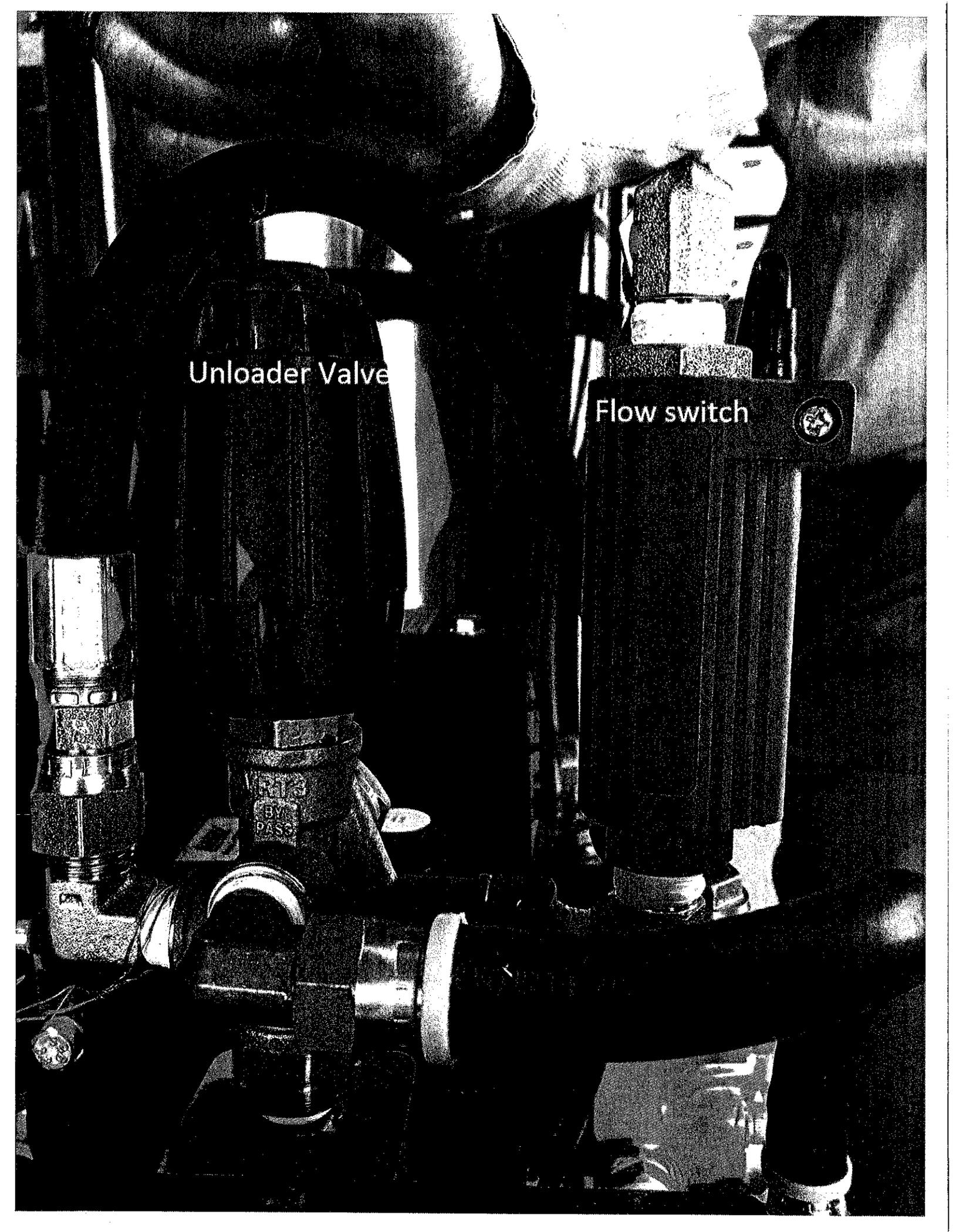


/ SRV may be within the
outer casing or outside
it.



SRV Seal





Unloader Valve

Flow switch

hotey

MODEL # **HM4030R.3**

PART # **8.923-165.0**

PSI **3000**

GPM **4.0**

RPM **1000**

Use Pump Oil #8.901-977.0
SAE 10/40W • Non Foaming

Made in Italy

9.803-345.0

High Pressure Pump

13

83178977

MADE IN ITALY

MADE IN ITALY

Bottom access to inspect coil

