

# ENGINEERING BULLETIN

Ref Document No.	EB13007	Issue No.	1
Subject	Relief Valve on MONEx Shutdown System		
Release Date	19 <sup>th</sup> November 2013		

**Purpose** – Advise machine owner’s potential areas of improvement.

**Applicability** – All in service COALTRAM® models – CT08, CT10

**Background**

The pneumatic portion of the safety shut down system has a maximum allowable working pressure of 8 bars. The pressure in the shutdown system is controlled by an inline regulator. The regulator has a gauge attached and can be used when setting the regulator to the DMS prescribed 100PSI (6.9 bars). The regulator adjusting knob comes standard as a push to lock.

DMS has investigated options to safeguard the shutdown system from being over pressurised.

**Investigations/Findings**

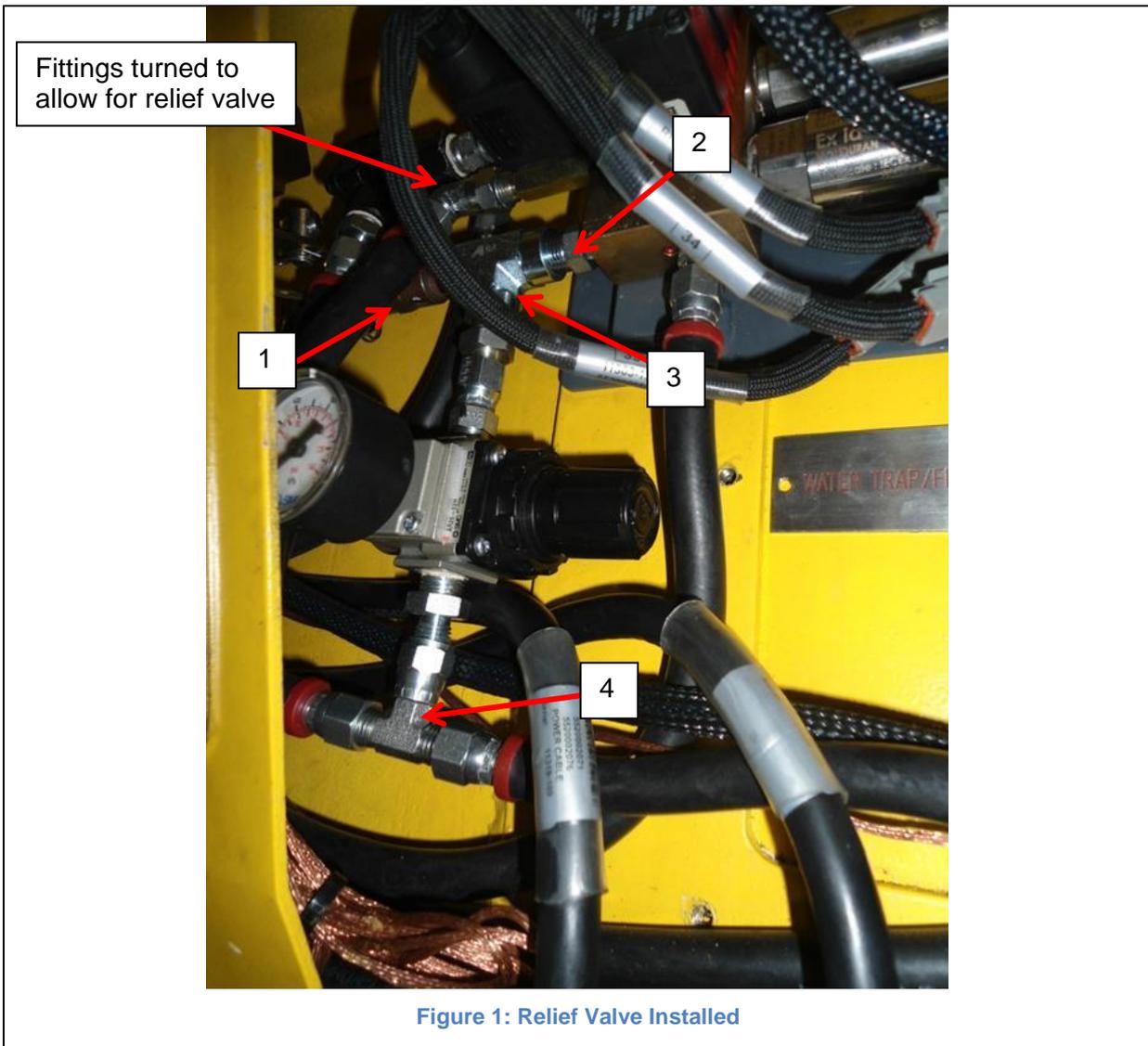
A 7.5 bars relief may be installed inline after the regulator to ensure the maximum working pressure of 8 bars is not reached or exceeded, therefore, protecting the MONEx solenoid valves. This addition requires minimal extra fittings for installation.

The additional parts required to install the relief valve are:

1. 5520 0091 77 – Relief Valve – 1 off
2. 5520 0000 35 – 1/8” -1/4” BSPT M/M adaptor – 1 off
3. 5520 0004 26 – ¼” BSPT tee f/f/f – 1 off
4. 0570 5110 03 – 7/16” JIC branch tee m/m/f – 1 off

No longer required:

- 5520 0004 11 – 1/8’ bspt-7jic nipple – 1 off
- 3176 7872 00 – 7/16” jic swivel 90 – 2 off
- 3177 3095 00 – 7/16” jic running tee m/f/m – 1 off



**Figure 1: Relief Valve Installed**

**Recommendations**

1. DMS recommends installing the relief valve to the safety shutdown circuit to add an additional safeguard to the over pressurisation of the circuit.
2. It is recommended to install the lockable cap on the regulator if a mine site is having issues with maintaining the set regulator level.
3. The components will be available from January 2014.

**Brett Neal**  
Manager – Technical Support & Service Centres