



Montpetrol - Plus

Spol. s r.o.

### Company Introduction

Company Montpetrol – Plus, s.r.o. (Ltd.) with the seat in Lužice (ČR) was formed in 2013 from the original parent company Montpetrol, spol s.r.o. (Ltd.) and is operating throughout the whole Czech and Slovak Republic.

The main activities of Montpetrol – Plus are manufacturing, installation and service of security equipment (safety shut – down valves control system) for gas and crude oil pipeline fittings. The company not only manufactures the systems, but it also designs the layouts, updates and upgrades it based on the specific customer requirements. In particular areas Montpetrol – Plus closely cooperates with its parent company, Montpetrol, spol. s.r.o. and uses their long-time practical experiences.

### SAFETY SHUT – DOWN VALVES CONTROL SYSTÉM

Currently we offer 3 types of security equipment where you can choose the level of equipment in each of them. From the simplest systems, which have only a safety function without the feedback to the complex variants, which provide continuous scanning, evaluating the current status of the well and transferring it to the monitoring centre.

The safety function is ensured by the hydraulic circuit which is to be pressurized by the pump to required pressure ensuring the opening of fittings/valves on wells. In case of ESD (emergency shut – down) signal a quick pressure drop in the system will cause the closing of valves.



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Velkomoravská 331/227  
696 18 Lužice  
Czech Republic  
+420 518 358 382  
duchoslav@montpetrol.com  
www.montpetrol.com

*International Trader Assistant*  
Mrs. Gabriela Vyskočilová  
+421 948 320 235  
vyskocilova@montpetrol.com

Information in this Catalog are subject to change without notice.

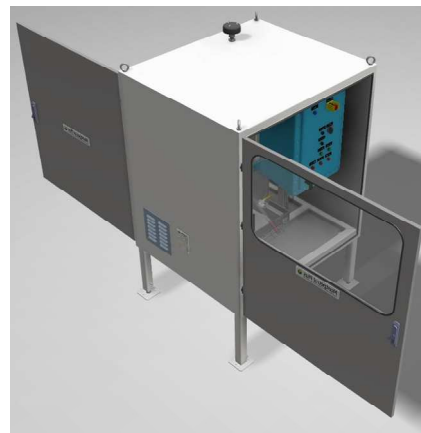


Single Control Panel 14.1  
Single Mono Control Panel 15.2  
Multi Control Panel 15.1

Hydraulically controls 2 safety valves of the well and ensures their proper timing by opening and closing on the well. It is controlled by embedded PLC (Programmable Logic Controller) and ensures the basic safety functions.



The hydraulic pump is powered by electric motor and components are **ATEX** certified for **Zone 2**.



Well shut down (Emergency Shut Down - ESD) when:

- the gas pressure drops below the set limit
- the gradient drop is higher than specified
- in case of fire at the well head
- the fire of the panel
- the power failure

It is a safety device which hydraulically controls 2 safety valves of each well. In group of 2 or 3 wells. It is controlled by PLC and for each well performs the same functions as Single Control Panel.

The hydraulic pump is powered by electric motor and components are **ATEX** certified for **Zone 2**.

Well shut down (Emergency Shut Down - ESD) when:

- the gas pressure drops below the set limit
- the gradient drop is higher than specified
- in case of fire at the well head
- the fire of the panel
- the power failure



It hydraulically and by hand pump controls the subsurface hand valve. It can be supplied with a layout for additional equipment for communication with the control room. Performs the basic safety functions.

Well shut down (Emergency Shut Down - ESD) when:

- gas pressure at the well head drops below the set limit
- fire at the well head



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