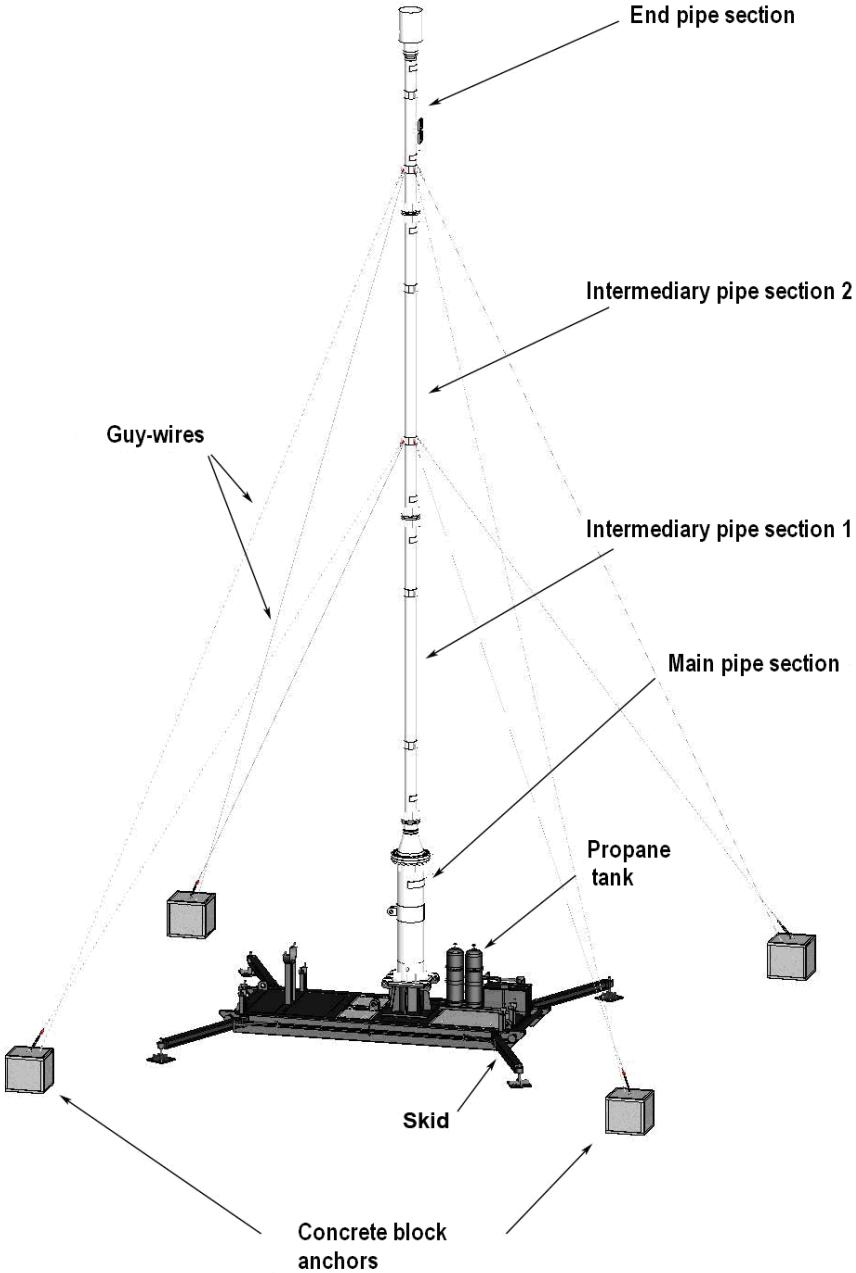
TOTALGAZ INDUSTRIE

FLARE STACK CCR 731



Introduction

Flare stacks are used to eliminate and burn out the vent gases to be released into atmosphere. Thus, environment protection is ensured.

Table 1 – Technical characteristics

TECHNICAL CHARACTERISTICS	
Working fluid	natural gas
Fluid group	1
Gas flow rate	depending on application/ customer's requirements
Gas inlet connection	quick connect couplings or flanges
Overall dimensions	depending on application/ customer's requirements

Design code

Design and manufacture are complying with API 521 or EN ISO 25457.

Constructive types

CCR 731 can be fixed or mobile/ pivoting design.

Depending on the working conditions (flow rate and pressure), CCR 731 flare stacks can be one pipe section designed or more pipe sections designed.

The flare stack can be provided with:

- skid
- torch manual igniter
- electronic igniter
- pilot burner
- flame arrester
- manually actuated hydraulic hoisting unit
- electrically actuated hydraulic hoisting unit
- signal light

1. Variant flare stack CCR 731 - fixed design

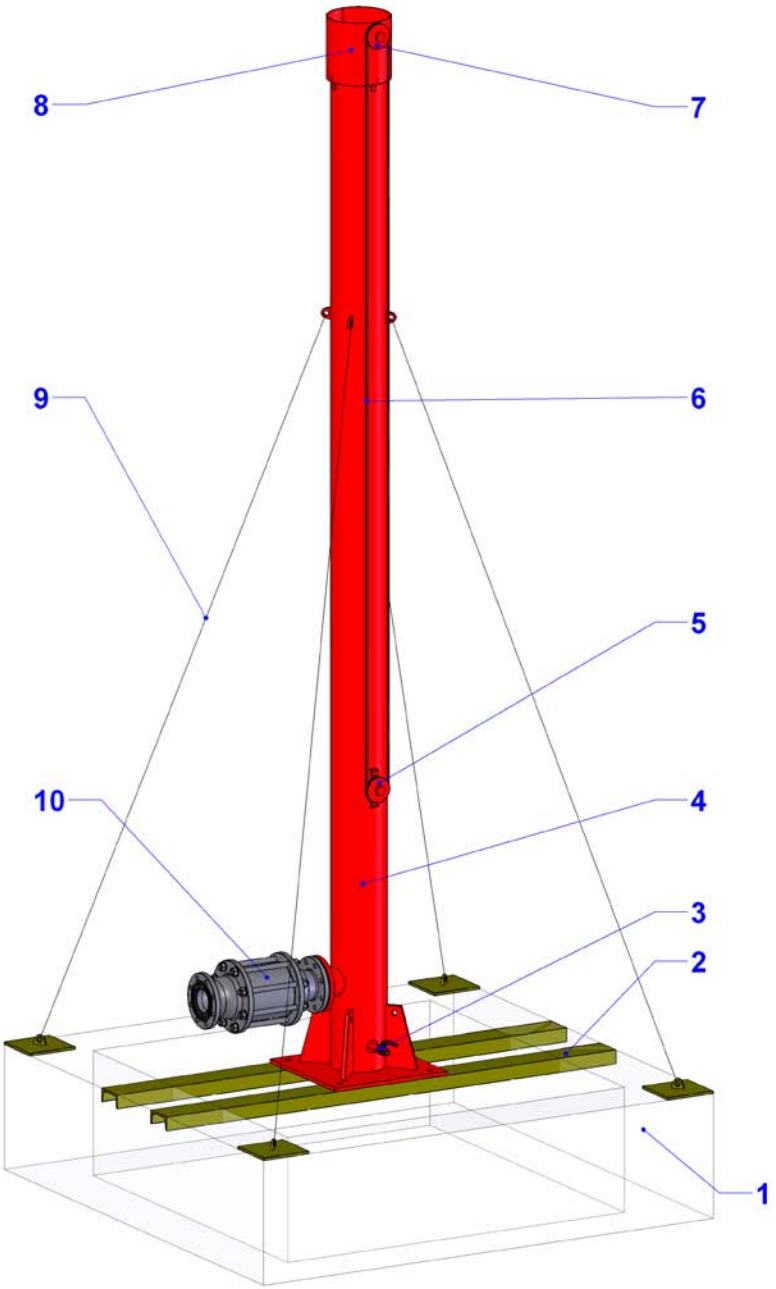


Figure 1 – Flare stack CCR 731 fixed

1. Concrete foundation
2. Stack mounting holder
3. Rain water drain valve
4. Stack
5. Torch lift cable tensioning device
6. Torch lift cable
7. Torch lift device
8. Wind shroud
9. Guy wire
10. Flame arrester *(optional)*

2. Variant flare stack CCR 731 - mobile / pivoting design

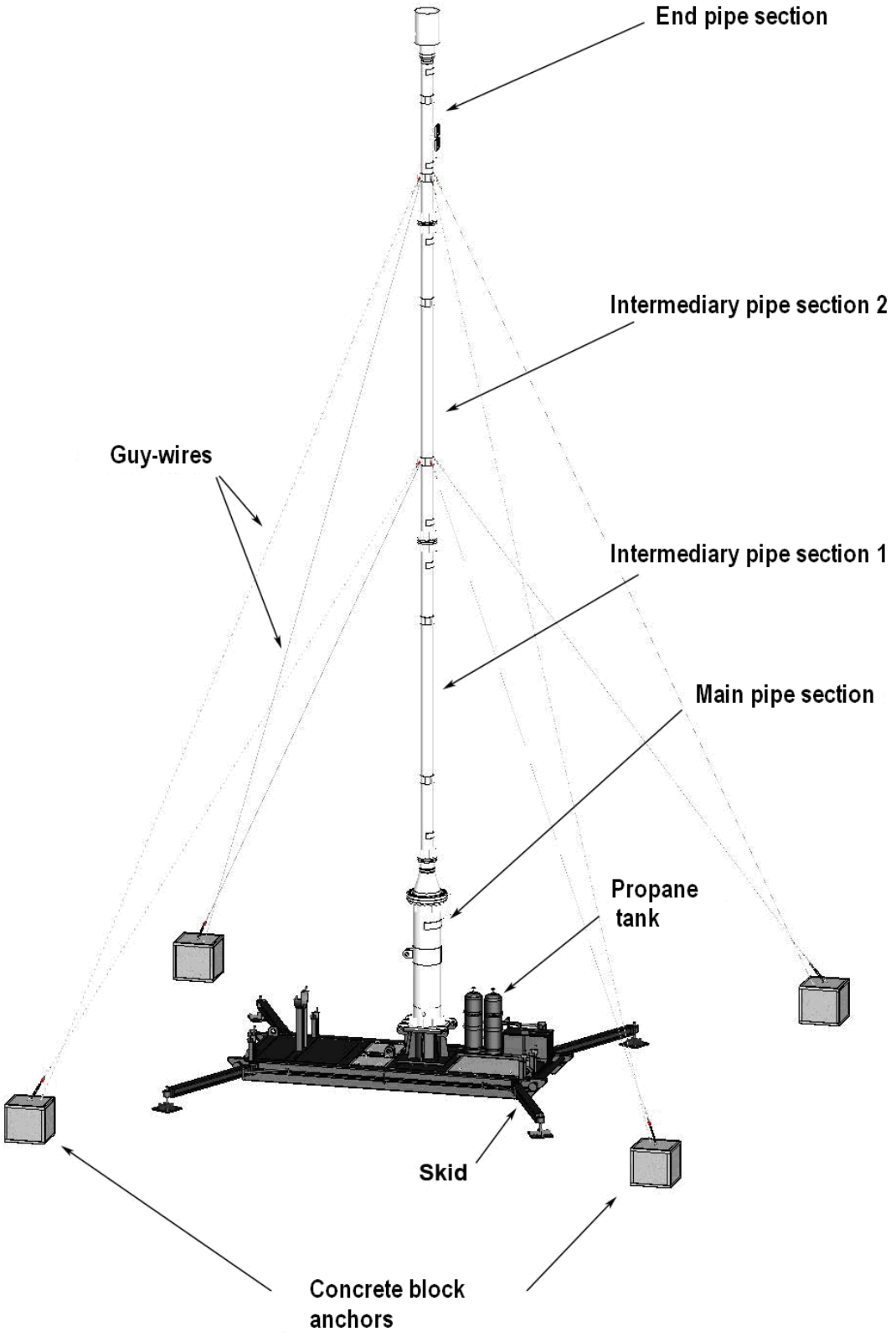


Figure 2 – Flare stack CCR 731 mobile / pivoting design

2.1. MAIN PIPE SECTION

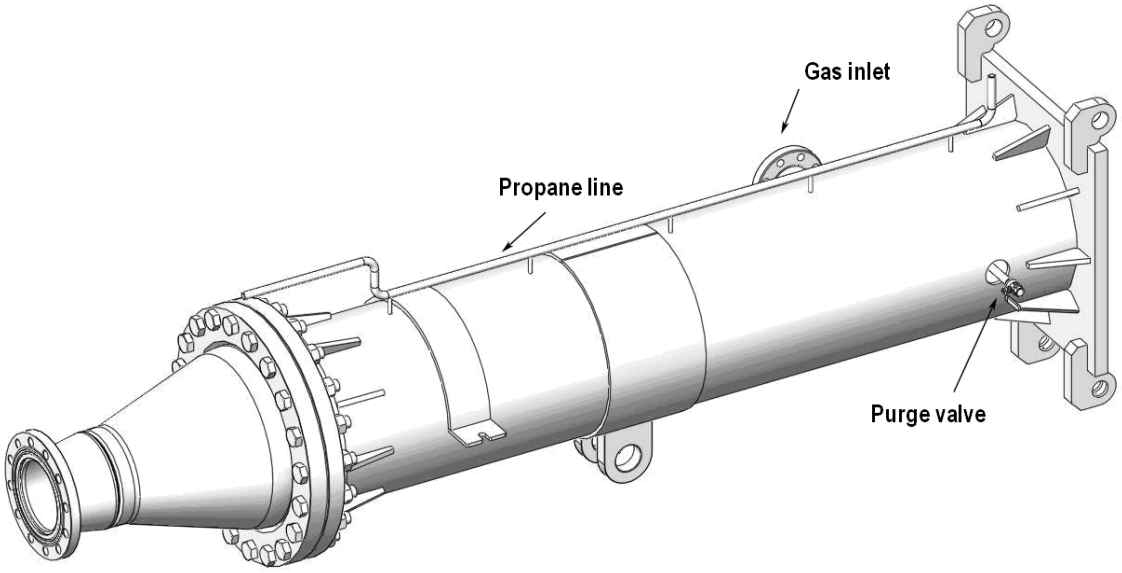


Figure 3 – Main pipe section

The main pipe section is mounted on skid and can be provided with an electric control panel for electronic ignition and signal lights.

2.2. INTERMEDIARY PIPE SECTIONS 1 AND 2

The diameter of the detachable intermediary pipe sections 1 and 2 is smaller than the main pipe section; the intermediary pipe sections are provided with guy-wire lugs.

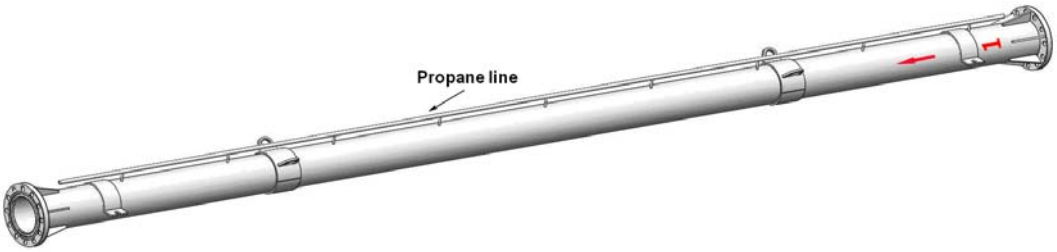


Figure 4 – Intermediary pipe section 1

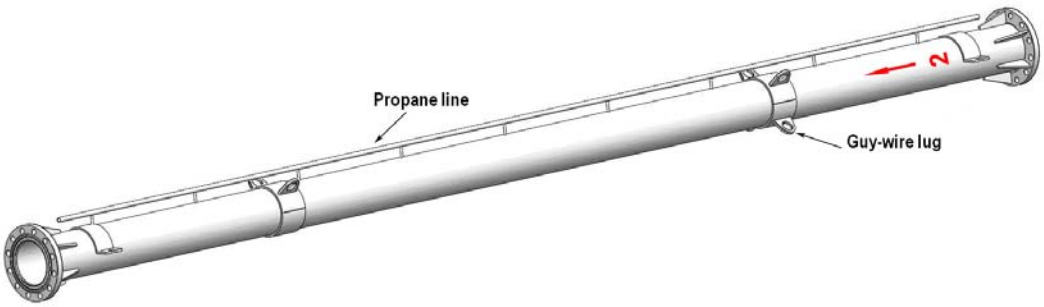


Figure 5 – Intermediary pipe section 2

2.3. END PIPE SECTION

The pipe section 3 is mounted at the end of the stack and is equipped with electronic igniter and pilot burner monitoring device. The flame is protected by a wind shroud.

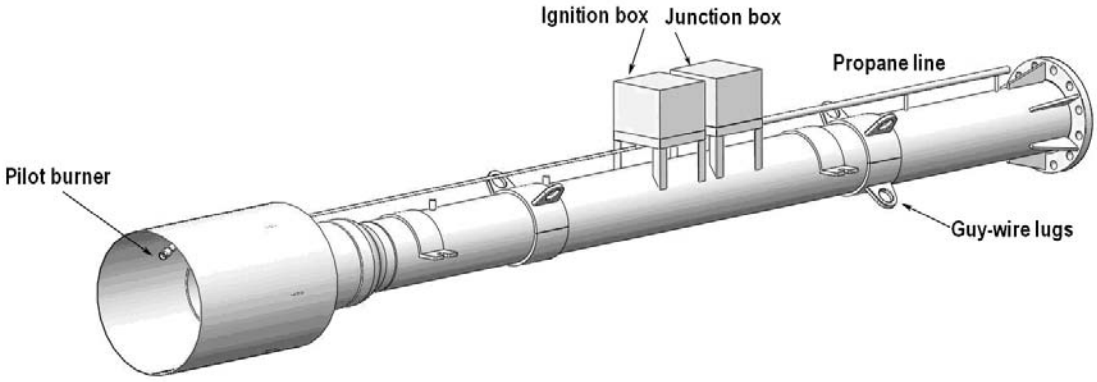


Figure 6 – End pipe section

2.4. STACK SKID

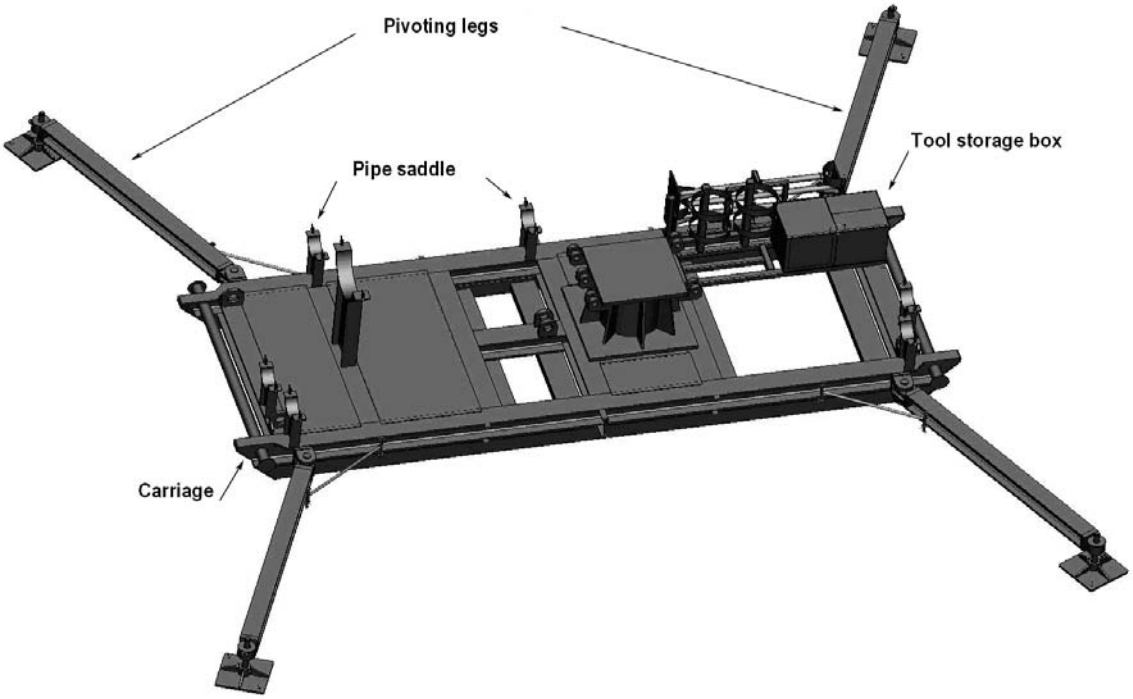


Figure 7 - Skid

The flare stack skid comprises storage boxes for stud bolts and tracks, holder of gas tanks for pilot burner and hydraulic lift system.

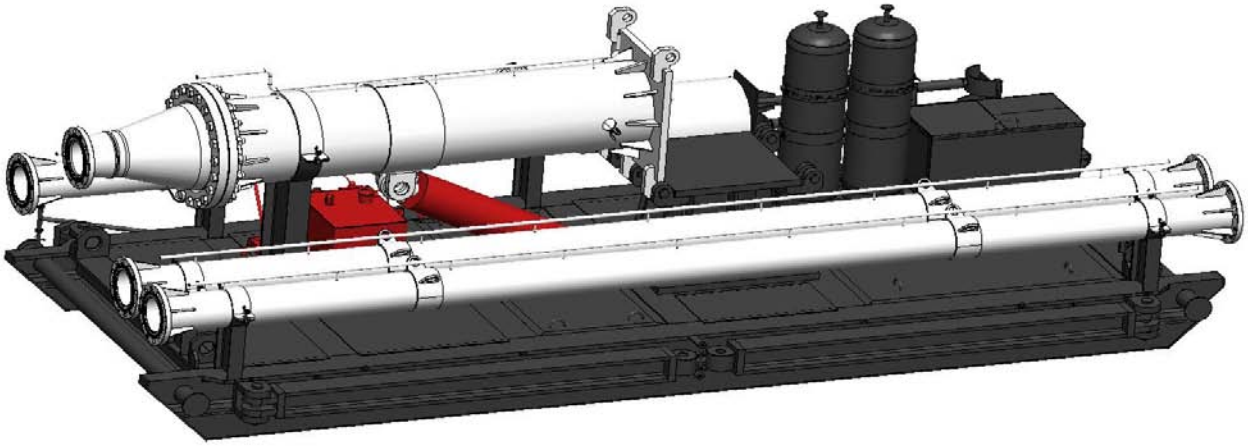


Figure 8 – Transportation configuration of CCR 731 flare stack

The manufacturer reserves the right to make modifications without any prior notification.

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