



**Creative thinking. Practical Solutions.**

The **Flaring System** developed by Practical Engineering Australia and SALCAN Process Technology uses modular components to allow customisation for the specific site installation.

**Flare Skids** are used to safely dispose of gas discharged from the wellhead during degassing or well testing.

The basic unit consists of:

- A flare stack
- Knock-out pot (to AS1210)
- Detonation Flame arrestor
- Pilot gas system

Components are mounted on a compact skid base for easy transportation.

A separate control stand houses the electrical control system which is solar powered for remote and self-contained operation.

### **Operating Range**

**Flow rates:** 0 – 200,000 scfd (pictured— higher flow rates available)

**Pressure equipment design:** AS1210, ASME, & API

### **Environment**

Effective flaring of hydrocarbon gas is an environmental imperative.

The **Flare System** offers a safe and efficient means of ensuring environmental obligations are met across the mine or gas field site.



### **Safety**

Our **Flare Skids** offer a premium in operator safety.

Heat flux calculations are undertaken for each flaring system to ensure the required operator exclusion zone is setup.

The **Flare System** design ensures that the control panel is outside the hazardous area.

A full Hazardous Area Verification Dossier is provided in compliance with all requirements of the AS/NZS 60079 series of standards.



# PRACTICAL<sup>®</sup> ENGINEERING

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### Code Certified

The **Flare Skids** has been designed and tested to exceed operational and statutory requirements.

The units conform to the requisite AS (Australian Standard), API (American Petroleum Institute) and AGA Australian Gas Authority codes.

### User Friendly Operation

The **Flare Skid** is supplied with a comprehensive installation, operation and maintenance manual.

The manual details the unit's setup and operational procedures within its design parameters.



# SALCAN

PROCESS TECHNOLOGY

### Flare Control and Management System

**SALCAN** have integrated the Flare control system into their SCADA system to provide remote control and monitoring, including confirmation of pilot operation and optional flow and methane content analysis.

Control and monitoring is also available locally via a touchscreen.

### Transport Skid

Skid mounted design for easy transport with certified lifting bollards are each end.

All sensitive equipment is protected during transport.

### Fast Rig-up

Rig-up is simple and fast. One operator can deploy the flare skid and erect the flare stack within 20 minutes.

