

DESFA SURGERY EXERCISE



ITALMETANO-HELLAS S.A.



SUCTION - COMPRESSION OF NATURAL GAS, CACHING IN THE TRAILER, DECOMPRESSION IN THE NETWORK

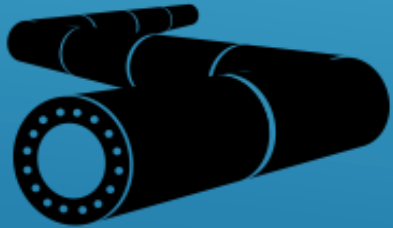
Network ->

Mobile Compression Unit ->

Transport Vehicle ->

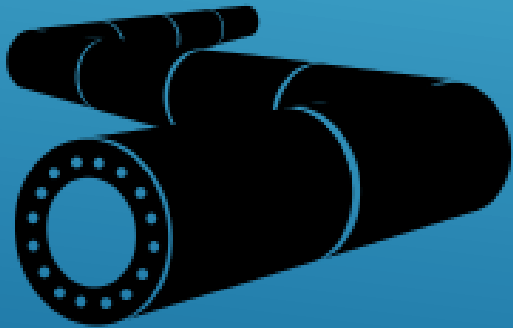
Mobile Decompressor Unit ->

Network



SUCTION - COMPRESSION OF NATURAL GAS, DIRECT INJECTION INTO THE NETWORK

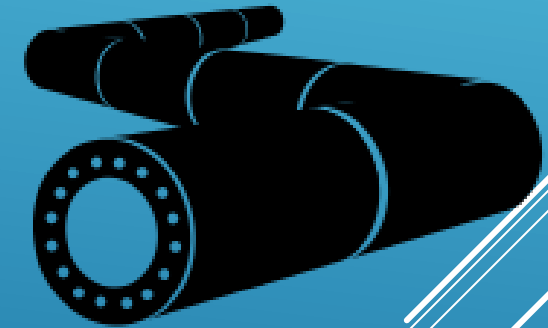
Network ->



Mobile Compression Unit ->



Network



SUCTION PROCESS - NATURAL GAS COMPRESSION & TRAILER CACHING

1. Connection of a mobile compression unit to the power supply unit.
2. Connecting a mobile compression unit to the customer's flange.
3. Connecting a mobile compression unit to the trailer.
4. Leak control.
5. Start compressing from the network in the trailer.

1. CONNECTION OF A MOBILE COMPRESSION UNIT TO THE POWER SUPPLY UNIT.



2. CONNECTING A MOBILE COMPRESSION UNIT TO THE CUSTOMER'S FLANGE.



3. CONNECTION OF A MOBILE COMPRESSION UNIT TO THE TRAILER (CNG TANK).



4. LEAK CONTROL.



5. START COMPRESSING FROM THE NETWORK IN THE TRAILER.



NATURAL GAS DECOMPRESSION PROCESS

1. Connecting a mobile decompression unit to the customer's flange.
2. Connect a mobile decompression unit to the trailer.
3. Leak control in high-pressure hoses at 50 bar, 100 bar, 200 bar inlet and outlet of the decompression station.
4. Station setup.
5. Start of boiler operation.

1. CONNECT MOBILE DECOMPRESSION UNIT TO CUSTOMER'S FLANGE.



2. CONNECT A MOBILE DECOMPRESSION UNIT TO THE TRAILER.



3. LEAK CONTROL IN HIGH-PRESSURE HOSES AT 50 BAR, 100 BAR, 200 BAR INLET AND OUTLET OF THE DECOMPRESSION STATION.



4. NATURAL GAS DECOMPRESSION STATION ADJUSTMENT.



5. BOILER START-UP.



NATURAL GAS SUCTION - COMPRESSION PROCESS, DIRECT INJECTION INTO THE NETWORK

1. Connection of a mobile compression unit to the power supply unit.
2. Connecting a mobile compression unit to the customer's suction flange.
3. Connecting a mobile compression unit to the customer's injection flange.
4. Leak control.
5. Start compression from the network to the network.

1. CONNECTION OF A MOBILE COMPRESSION UNIT TO THE POWER SUPPLY UNIT.



2. CONNECTION OF MOBILE COMPRESSION UNIT TO CUSTOMER'S SUCTION FLANGE.



3.CONNECT MOBILE COMPRESSION UNIT TO CUSTOMER'S INJECTION FLANGE.



4. LEAK CONTROL.



5. START COMPRESSION FROM NETWORK TO NETWORK.



SECURITY MEASURES

- ▶ Generator distance from each unit >10m
- ▶ Trailer distance from mobile decompression unit >5m
- ▶ Trailer distance from mobile compression unit >5m
- ▶ Distance of mobile decompression unit, mobile compression unit, trailer from customer's suction and flange points >5m
- ▶ Safety distance from buildings >5m, safety distances must be increased by 50% in case of gathering of more than 100 people or from places with flammable or explosive products, with the exception of the point where you are supplying eg. Conductor or M/R.
- ▶ Distance from the boundaries of the plot >5m Safety distances must be increased by 50% in case of gathering of more than 100 people or from places with flammable or explosive products.

PERSONNEL SECURITY MEASURES

1. Helmet
2. Earplugs
3. Antistatic Clothing
4. Gloves
5. Safety Shoes
6. Glasses

