

QUESTIONNAIRE FOR SUPPLY OF SCREW COMPRESSOR UNIT

CUSTOMER: _____

THE PURPOSE OF CREATION:

NEW

REPLACEMENT

MODERNIZATION

TECHNOLOGICAL SCHEME

NUMBER OF UNITS IN THE CIRCUIT SIMULTANEOUSLY OPERATING ON COMMON COLLECTOR: _____

AVAILABILITY OF A RESERVE:

YES

NO

DEMAND PER YEAR:

2015

2016

2017

2018

2019

2020

DESIRED STAGES AND TIME FRAMES

DESIGN: _____

MANUFACTURING: _____

COMMISSIONING: _____

UNITS AMBIENT CLASS:

AVERAGE OPERATING TEMPERATURE:

IN SUMMER

IN WINTER

OPERATION MODE:

PERMANENT

CYCLIC

FREQUENCY OF START AND STOP MODE: _____

BASIC PARAMETERS

PRODUCTIVITY, NM³/MIN (KG/MIN): _____

GAS PRESSURE, KGF/SM², (PABS):

PUMP-IN

PUMP-OUT

GAS TEMPERATURE, °C:

PUMP-IN

OUTLET TEMPER

LIMIT CHANGES IN SUCTION PRESSURE, (KGF/SM²), (PABS):

PUMP-IN

ADMISSIBLE CONTAMINATION OF THE PUMPED GAS:

OIL (G/M³)

BUFFER GAS (G/M³)

COMPOSITION OF THE COMPRESSED GAS, (VOL. % BY)

1

6

2

7

3

8

4

9

5

10

RELATIVE HUMIDITY, %: _____

TOXICITY, (YES, NO): _____

PRESENCE OF DRIP FLUID, COMPOSITION, AMOUNT MG/M3:
 EXPLOSION CLASS OF THE MIXTURE:
 PRESENCE OF MECHANICAL IMPURITIES, MG/M3:
 SOLUBILITY IN OIL: YES NO
 CORROSIVITY: YES NO
 CONDENSATION: YES NO
 PERFORMANCE CONTROL: RANGE, MIN: MAX:
 LIQUID TO BE INJECTED INTO THE COMPRESSION SPACE (FOR DRY MACHINES): YES NO
 COMPOSITION OF THE INJECTED LIQUID:
 PRESSURE OF THE INJECTED LIQUID:
 COOLING MEDIUM: AIR WATER OTHER
 WATER SUPPLIED FOR COOLING, CIRCULATING: YES NO
 PRESSURE, (KG/SM3): IN PRESSURE HEADER IN THE DRAIN MANIFOLD
 TOTAL HARDNESS, MOL/M3: CARBONATE HARDNESS:
 MASS CONCENTRATION OF SUSPENDED PARTICLES, MG/L: HYDROGEN INDEX, pH:
 SPECIAL PROPERTIES AFFECTING THE MATERIAL COOLERS PERFORMANCE:

INSTRUMENT AIR

PRESSURE, KG/SM2, (PABS):
 TEMPERATURE, °C:
 CONTAMINATION CLASS ACCORDING TO GOST 1743380:

POWER AIR

PRESSURE, KG/SM2, (PABS):
 TEMPERATURE, °C:
 CONTAMINATION CLASS ACCORDING TO GOST 1743380:

BLOWING AIR AND NITROGEN PARAMETERS

PRESENCE OF DRIP OIL, MG/M3: PRESSURE, KG/SM2, (PABS):
 PRESENCE OF MECHANICAL IMPURITIES: TEMPERATURE, °C:

PARAMETERS OF THE BUFFER (GATE) GAS

COMPOSITION (IN % BY VOLUME, BY WEIGHT):
 AMOUNT OF MECHANICAL IMPURITIES, MG/M3: PRESSURE, KG/SM2, (PABS):

MECHANICAL IMPURITY DIMENTION (MM):

PRESENCE OF DRIP OIL, KG/M3:

GAS DISCHARGE (WHERE)

FROM RESET DEVICES:

FROM SAFETY VALVES:

BUFFER GAS LEAKAGE:

BACKPRESSURE IN THE FLARE LINE, KGF/SM2

AUTOMATION SYSTEM (AS)

EXECUTION OF AS

PANEL-TYPE (FOR INDOORS PLACEMENT):

YES

NO

MODULER-TYPE:

YES

NO

START-UP PREPARATION METHOD, STARTING

AUTOMATIC (EXEPT FOR THE OPERATIONS REQUIRED AT THE FIRST START):

YES

NO

MANUAL LOCAL:

YES

NO

MANUAL REPORT:

YES

NO

ALARM: NEED

YES

NO

PARAMETERS FOR AUTOMATIC REGULATION (SPECIFY)

1

3

2

4

POWER SUPPLIED

MAIN ELECTRIC MOTOR

ELECTRIC POWER SUPPLY CATEGORY ACORDING TO EIC:

VOLTAGE, V:

FREQUENCY, HZ:

EXPLOSION CLASS:

POWER SUPPLY OF AUXILIARY MECHANISMS OF INSTRUMENTATION

ELECTRIC POWER SUPPLY CATEGORY ACORDING TO EIC:

VOLTAGE, V:

FREQUENCY, HZ:

EXPLOSION CLASS:

CLASS REQUIREMENT

MTBF, H:

OVERHAUL LIFE, H:

THE PERMISSIBLE SOUND PRESSURE LEVEL AT A DISTANCE OF 1M FROM THE COMPRESSOR UNIT,
NEED FOR NOISE-ABSORBING CASING

YES

NO

ADDITIONAL INSTALLATION REQUIREMENTS

CUSTOMER

(Full name, title, signature, tel.)

