



TRANSFER PUMP CB/BP

Special equipment designed for the liquid CO2 transfer from low pressure tank to either extinguishers or drinks-gasification cylinders. It consists of a ground-fixable base, fitted with following main parts:

- Electric control cabinet EEC normed
- High pressure pump for low workingtemperature, fitted with three ceramic plungers, wear compensating washers, stainless steel inlet and outlet valves. Pump speed is reduced by a belt pulley coupled with an electric engine: this feature allows an accurate draft of the filling product and avoids any CO2 gasification during the suction phase.
- Suction filters
- Safety pressure switch
- Safety valve
- Glycerine pressure indicators
- RECYCLE PLANT with tank backflow, equipped with following devices:
- Stainless steel cryogenic by-pass valve, pneumatic actuator equipped
- High pressure piping
- Pneumatic cryogenic valves
- High pressure flexible pipes, for a filling-cylinder joining
- Hand-wheeled and inox steel made clutch, interception valve fitted, for cylinder connection

TRANSFER PUMP CB/BP is suitable to be joined to both CO2 low temperature storage plants (cryogenic tank equipped) and our **DIGIT SCALE** P electronic scale. This scale is featured with both tare zeroing and auto-stop on filling weight reaching.

TECHNICAL CHARACTERISTICS

: 220/380V 50Hz 3-phase Wiring supply

 Power installed : 4 kW

 Control circuit voltage : 24V 50Hz CE normed

 Compressed air feed : 6 bar

By-pass/Interception valve : pneumatically actuated

 Safety valve : CE normed Pressure switch : bellow-equipped

(low-temperature execution)

: 90 bar Maximum pressure : 20 I/minute Pump capacity Min.working temperature : - 25°C = 17.2 Bar

 Colour : RAL 7032



OPTIONALS

 Scale **DIGIT SCALE** type, provided with zeroing tare and a stop device for a proper draft interruption
STOCKING-TANK CONNECTING PLANT: Stainless steel high pressure piping (5m long), hoses, thermical insulating tubes, joints and auxiliaries.

N.1 standing tank, 3000 (or more) Kg, vacuum isolated, suitable for liquefied CO₂ and equipped with with :
No 02 safety valves I.S.P.E.S.L.(T.U.V.) certified and No 01 electric gauge

No 01 differential level indicator and No 01 stainless steel refrigerating coil

No 01 water refrigerating plant, electric board fitted

Body suitable for outside installation

Stainless steel tubes, stainless steel cocks with bronze shutters

: 3,000 (or more) Kg • Testing temperature : - 76° C Useful capacity

 Testing pressure : 24.5 bar Material : steel SELCO 52 LT : IS.P.E.S.L.(Italy) Weldings : 100% radiographed Test

T.U.V. (Germany)