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PELLETIZER PE80

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High quality dry ice "on tap":

- make as much dry ice as you need, when you need it

The unique pelletizer from Triventek with its patented system for producing top quality dry ice pellets is truely affordable convenience.

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DIP - DRY ICE PRODUCTION

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PELLETIZER PE80:

This revolutionary equipment from Triventek sets new standards for producing dry ice. It makes using dry ice easy. You can have high quality dry ice when you want it, - at the turn of a switch. This is dry ice on tap.

It has always been difficult to precisely forecast how much dry ice you are going to need for chilling or cleaning operations. You tend to over-order from a centralized factory "just in case". If you under-order, you may run out and not be able to ship or process valuable temperature-sensitive goods on time; you may have to return to a cleaning job, at extra expense and inconvenience.
All that over-ordered dry ice often just sublimes away, wasting time and money.

Dry ice's main logistical problem is: you can't store it.
But you can store liquid carbon dioxide (LCO_2) in a suitable vessel. This gives you a "buffer" of potential dry ice ready to be produced when you need it. No more last-minute panic ordering of dry ice from an inflex-ible supply infrastructure.

There are pure economic benefits too.
Delivering LCO_2 infrequently is cheaper than delivering dry ice frequently. Lower cost LCO_2 can also mean useful savings on the unit-cost of dry ice.
The Pelletizer takes LCO_2 and brings it up to near atmospheric pressure and turns it into a mixture of gas and solid in the form of "snow" . The solid is compressed in triple chambers and extruded to produce hard pellets or nuggets in any size from 1.7 mm to 16 mm diameter.

Site-produced dry ice will always be fresher, and so more effective, than dry ice produced at a centralized factory, sometimes days in advance, and then shipped to you.
Dry ice nuggets can be bagged to mimic the handling characteristic of slice, with the advantage of better packing around the product, at a surprisingly small sublimation cost.

PE80 Pelletizer can be integrated to feed directly into packing lines or into dry ice blast cleaning stations for automated operations. Movements of dry ice through the site are thus eliminated.

The PE80 can be upgraded by the addition of the patented Triventek RE80 Recovery Unit, which captures and recycles revert gas to practically halve the cost of dry ice.

With its ground-breaking low capital cost, the PE80 makes the use of dry ice easy and affordable for even the lower volume user.

TECHNICAL DATA:

- Powers supply: 3x400/50Hz
- Other voltages/Hz on request
- Power consumption: 3 kW
- Max. current: 6,5 Amps
- Required start-up Amps should be calculated as 5 to 6 times Amp usage.
- Power connection: 16A/3P+E CEE2-215
- Dimensions (WxDxH): 600x1000x1560 mm
- Weight: 203 kg.
- Pressure range: 15-18 bar
- Production rate: 80 kg/h
- Max ambient temperature: 40°C
- LCO2 to dry ice conversion without recovery unit: 2.5:1 when producing 3,0 mm pellets
- Lubrication oil: Castrol Optileb GT 460
  (approved for the food industry)

Please visit our web site for further information at:
www.aquila-triventek.com