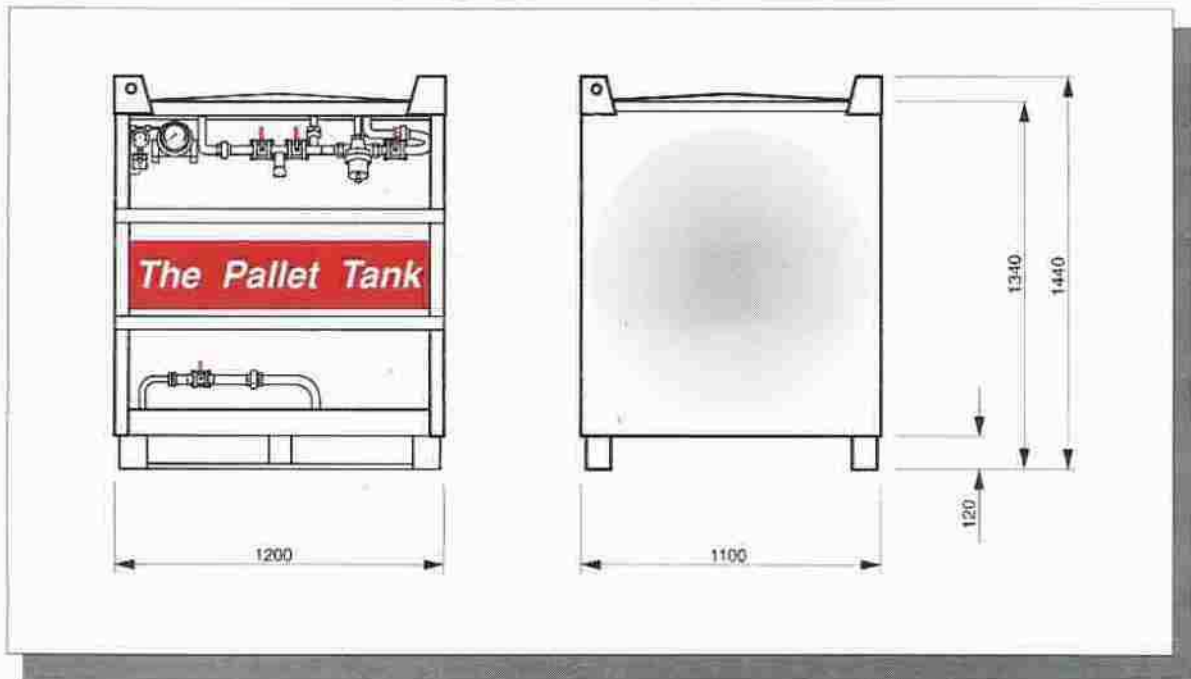


# HIGH PRESSURE PALLET TANK

Type 7-KXSM-36



### GENERAL DESCRIPTION

The AGA-CRYO Pallet Tank is the basis of a novel distribution philosophy, increasing the handling capacity of liquified gases within the cylinder distribution networks. The Pallet Tank enables the gas to be filled, transported, delivered and emptied into the customer production line by means of the same unit.

By using the Pallet Tank the user gets access to a gas volume of up to five times as large as that of a cylinder bundle and has proven to be the ideal tool for applications requiring 800-2000 Nm<sup>3</sup>/month.

As a result of the unique design following the worldwide acknowledged pallet handling concept the Pallet Tank is easily handled and stackable while in the terminal.

The application areas are practically unlimited. The flexibility achieved by using the High Pressure Pallet Tank makes it ideal for laser welding and cutting, medical as well as carbon dioxide applications requiring high pressure gas source.

The well-known PER-regulator (Pressure build-up, Economizer and pressure Relief) includes the automatic control of the tank performance. The combination of the Pallet Tank and the innovative AGA-CRYO Pallet Tank Filling station simplifies as well as reduces the time required for the filling operation.

### VOLUME

Gross volume	645	l
Max filling volume (95%)	607	l

### WEIGHT

Each individual Pallet Tank tare weight is stamped on the identification plate allowing optimized filling.

Tare weight (approx.)	690	kg
Approved total weight	1550	kg

### MATERIAL

The inner vessel, outer jacket, pipe work and valves as well as the exterior are manufactured in austenitic stainless steel.

### PRESSURE

Max working pressure	36	bar (g)
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### EVAPORATION RATE

Determined within 24h- (O <sub>2</sub> )	<1	%
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### HOLDING TIME

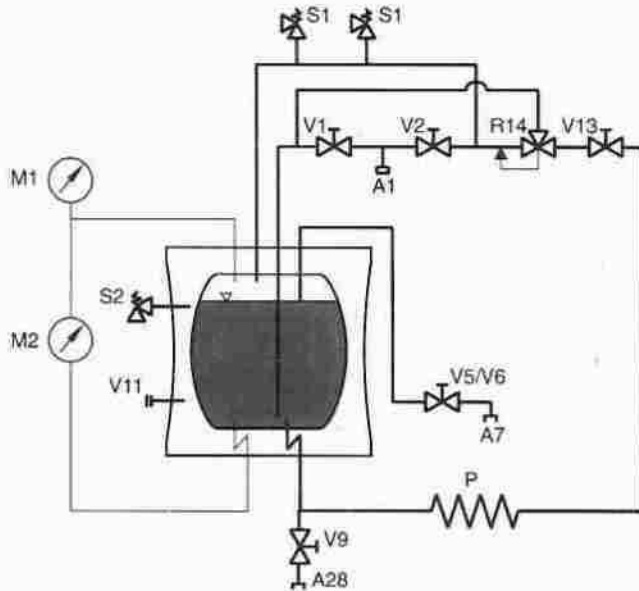
at 95% filling ratio- (LOX, cold liquid)	5	days
at 80% filling ratio- (LOX, cold liquid)	20	days

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# Technical Specification

## FLOW DIAGRAM



## LEGEND

- A 1 Tank filling and discharge connection
- A 7 Gas phase connection
- A 28 Connection, external pressure build-up coil
- M 1 Pressure indicator
- M 2 Level indicator
- P Pressure build-up coil
- R 14 PER- regulator
- S 1 Safety valves, inner vessel
- S 2 Safety valve, outer jacket
- V 1 Shut-off valve, filling and liquid discharge
- V 2 Shut-off valve, filling and gaseous discharge
- V 5/V 6 Shut-off valve, maximum filling level valve and vent
- V 9 Shut-off valve, external pressure build-up coil
- V 11 Vacuum valve
- V 13 Shut-off valve, pressure build-up coil

## WITHDRAWAL CAPACITY

Standard equipped Pressure build-up coil;

Liquid withdrawal - LIN at 2 bar	650	l/h
Gaseous withdrawal - GAN cold gas at 6 bar	10	Nm <sup>3</sup> /h

## PRODUCT RELATED WEIGHTS

95% filling ratio, (cold liquid at 1atm.)

Liquid contents	Payload [kg]	Total weight [kg]
LOX	693	1383
LIN	490	1180
LAR	845	1535
LCO <sub>2</sub>	667	1357
LN <sub>2</sub> O	644	1334

## OPTIONS AND ACCESSORIES

- Integrated vaporizer
- External vaporizer
- Discharge terminal with twin external vaporizer
- Pressure limiting kit for liquid withdrawal. "Milk man service"
- Swagelok liquid connection for gas analyse
- Tank- and hose connections
- Hoses, valves, seals and complete pipe and valve arrangements
- Automatic Pallet Tank filling station