



ACCUMULATORS STATIONS type BA

10.1



EXAMPLES OF BLADDER ACCUMULATOR STATIONS

10.2



EXAMPLES OF BLADDER WITH ADDITIONAL BOTTLE STATIONS

10.3



EXAMPLES OF PISTON ACCUMULATOR STATIONS

10.4



EXAMPLES OF PISTON WITH ADDITIONAL BOTTLE STATIONS

10.5



EXAMPLES OF ADDITIONAL BOTTLE STATIONS

10.6

10.1.1 DESCRIPTION

Epe Italiana supplies fully assembled accumulator stations which are ready for operation and complete with the necessary ball valve controls and safety equipment

- as an individual accumulator unit or
- in a back-up version with nitrogen bottles to increase the effective volume.

Nitrogen bottles, used as back-up, increase the gas volume inside the accumulator. This means that smaller accumulators can be used for the same gas volume and costs can be reduced.

An accumulator station can be composed of:

- single piston accumulator with support frame and instrumentations
- piston accumulators with nitrogen bottles.
- only bladder accumulators connected together by fluid side with manifold
- bladder accumulators with nitrogen bottles. In this version, the bladder accumulator must be of AST type (transfer) where the gas side is designed especially for connection to nitrogen bottles. Internal diffuser rod prevents damage to the bladder when the accumulator is full of fluid.
- nitrogen bottles alone.

Each accumulation station can be customized according to customer requirements/ technical specifications, painting included.

Epe Italiana can provide the complete group with all accessories such as pressure gauges, pressure switches, transducers, as well as safety accessories; all hydraulically connected to pipes in carbon steel or stainless steel and fittings free from leaks. In addition, all electrical equipment can be wired and connected to the terminal board. For this reason, all the accumulator stations have the order code followed by the specific drawing that incorporates the dimensional drawing, the hydraulic and electric chart and, of course, the list of components and any nameplate.



10.1b



10.1a



10.1c

10.1.2 ORDER CODE

1	2	3	4	5	6	7
BA	1	/	4	P	400	A 105...

1	Series
Accumulator station	= BA

2	No. of accumulators (if any)
Examples	1 = 1 2 = 2 3 = 3 4 = 4 5 = 5 ... = ... 16 = 16

3	No. of additional bottles (if any)
Examples	1 = 1 2 = 2 3 = 3 4 = 4 5 = 5 ... = ... 16 = 16

Special versions on request

7	Drawing number
Drawing number assigned by EPE after the PO:	
accumulator station with bladder accumulator/s	= 102...
accumulator station with bladder accumulator/s + additional cylinders	= 103...
accumulator station with piston accumulator/s	= 104...
accumulator station with piston accumulator/s + additional cylinders	= 105...
accumulator station with additional cylinders	= 106...

6	Assembly drawing
Assembly drawing	= A

5	Total volume of nitrogen "Vo" in liters
Total volume of nitrogen in the accumulator station	= ...

4	Type of the station
With piston accumulator	= P
With bladder accumulators	= S
With additional bottles	= B

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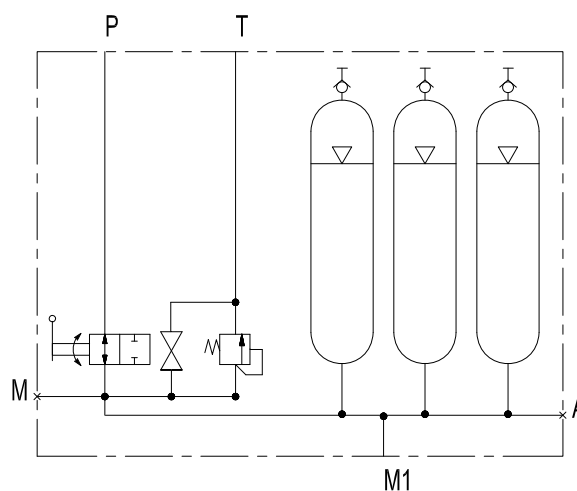
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10.2.1 EXAMPLES OF BLADDER ACCUMULATOR STATION

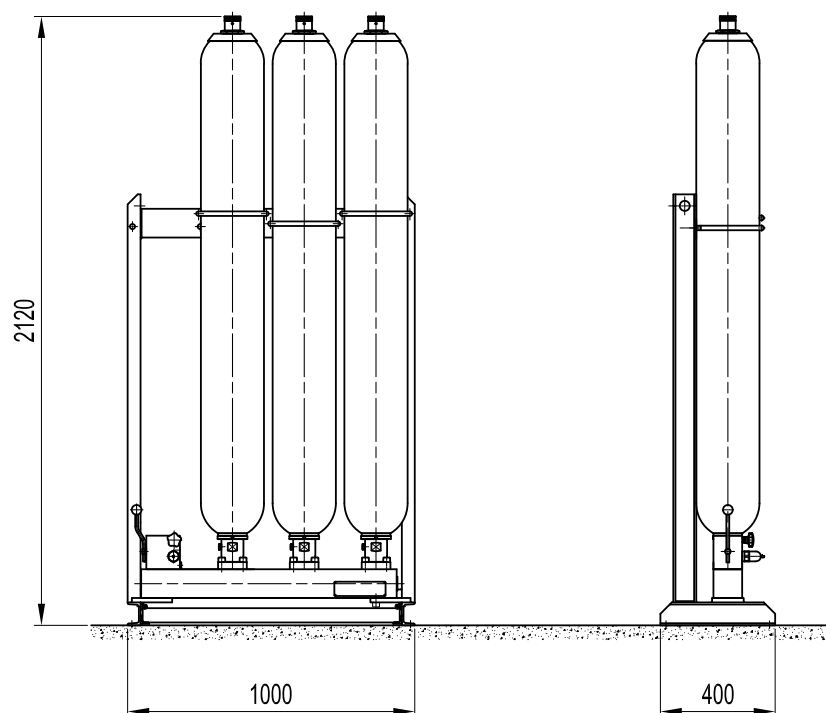


10.2a

HYDRAULIC DIAGRAM



10.2b

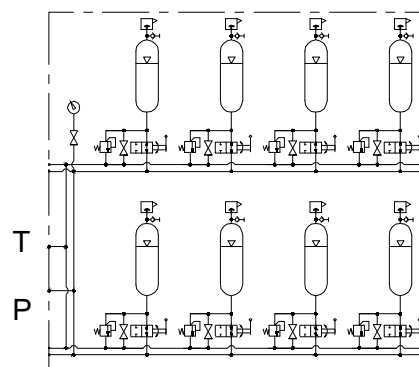


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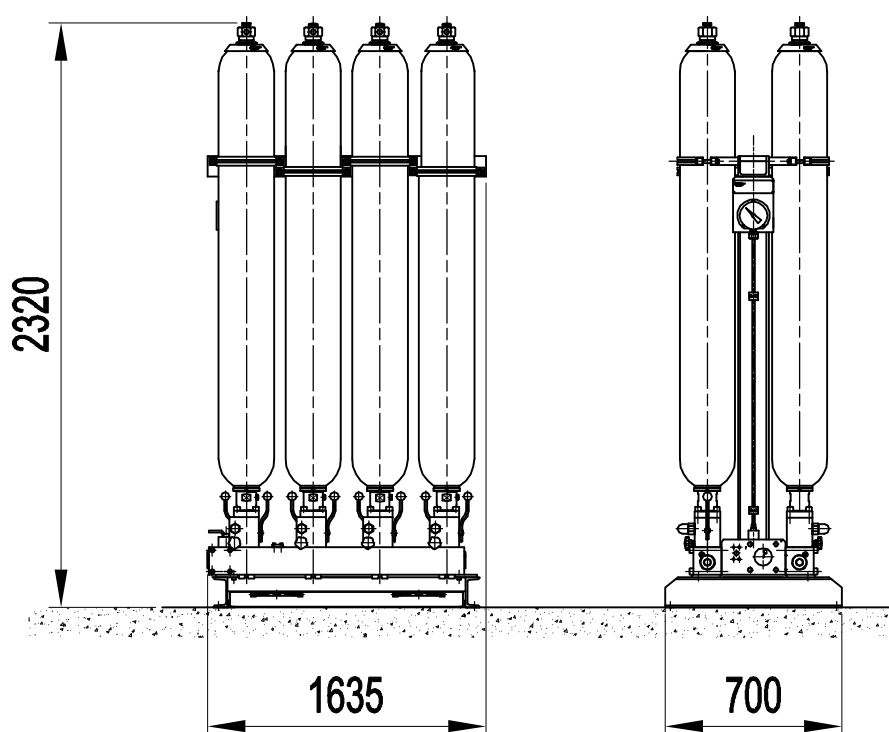


10.2d

HYDRAULIC DIAGRAM



10.2e



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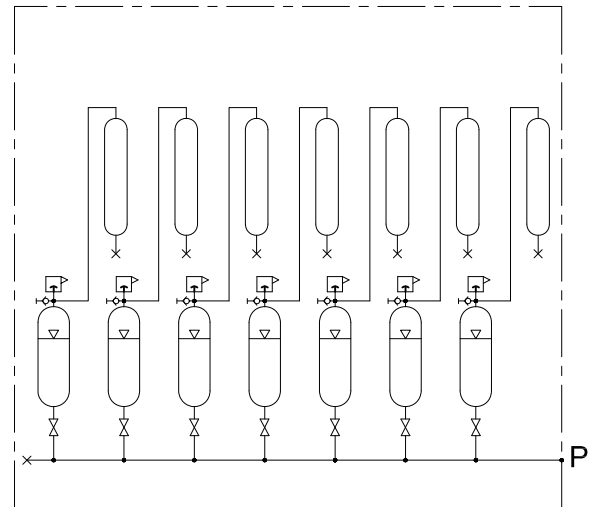
10.2f

10.3.1 EXAMPLES OF BLADDER ACCUMULATOR STATION

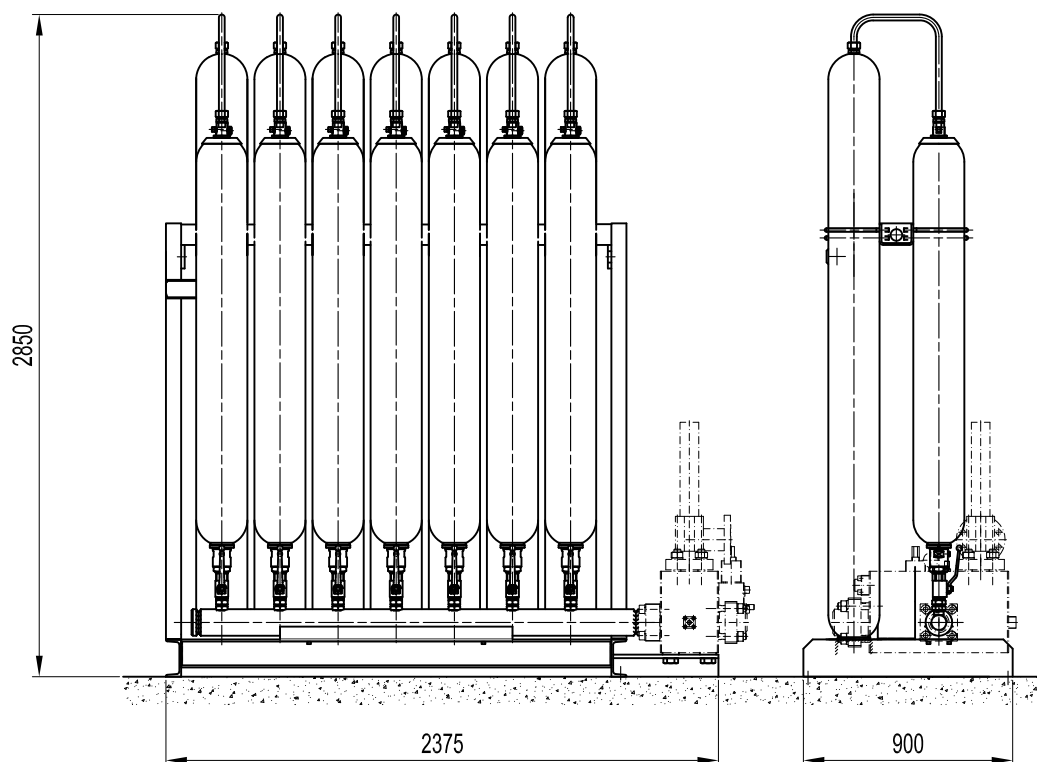


10.3a

HYDRAULIC DIAGRAM



10.3b

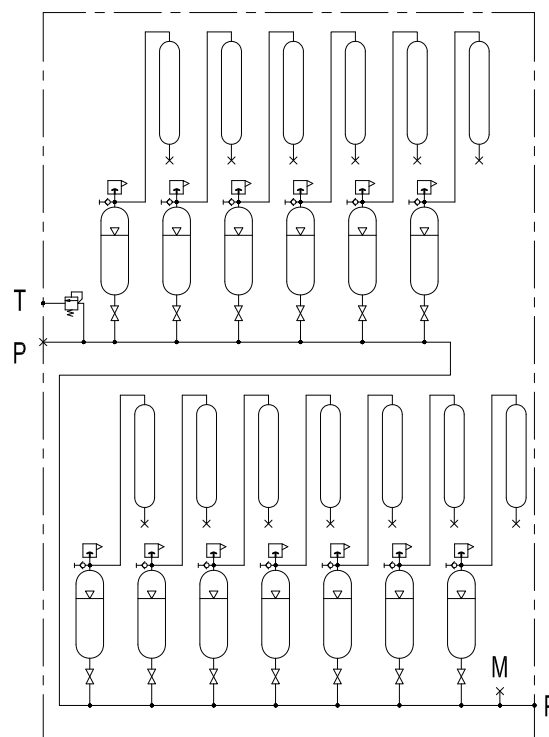


10.3c

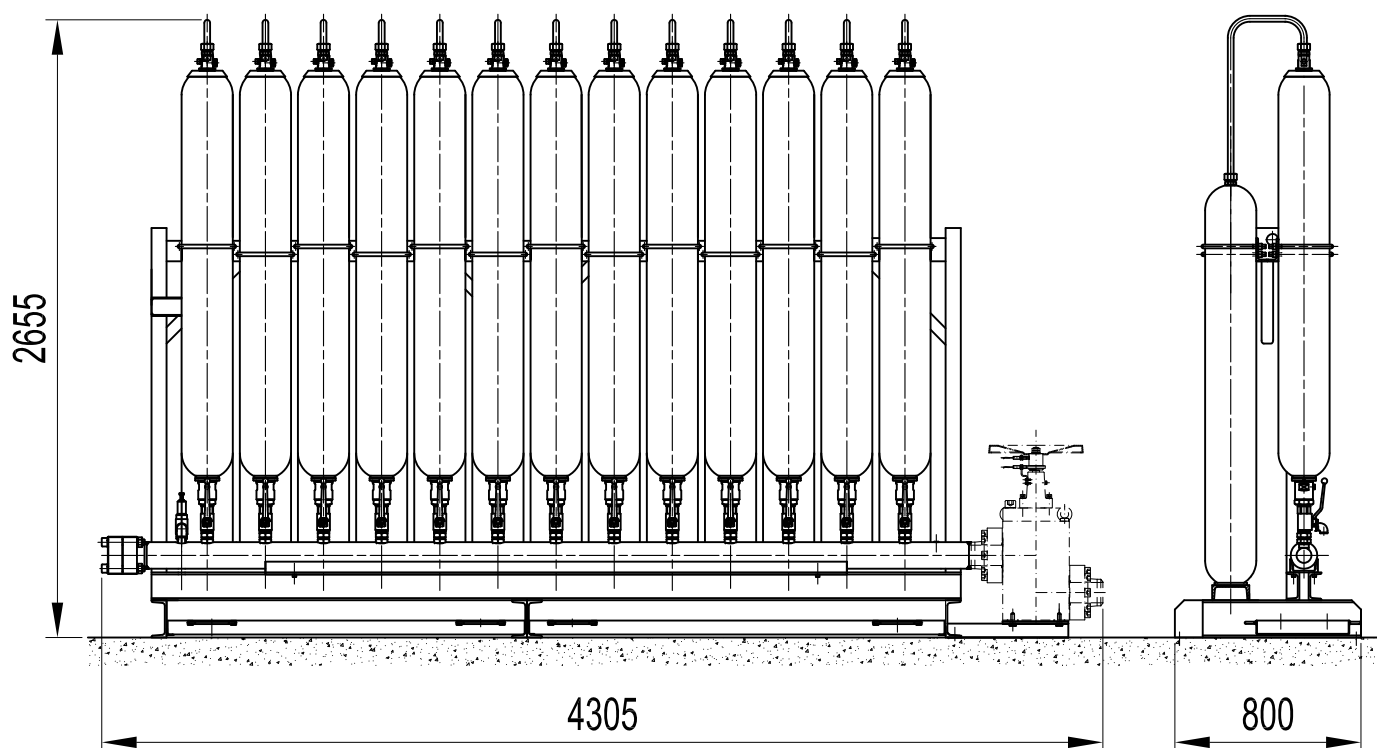


10.3d

HYDRAULIC DIAGRAM



10.3e



10.3f

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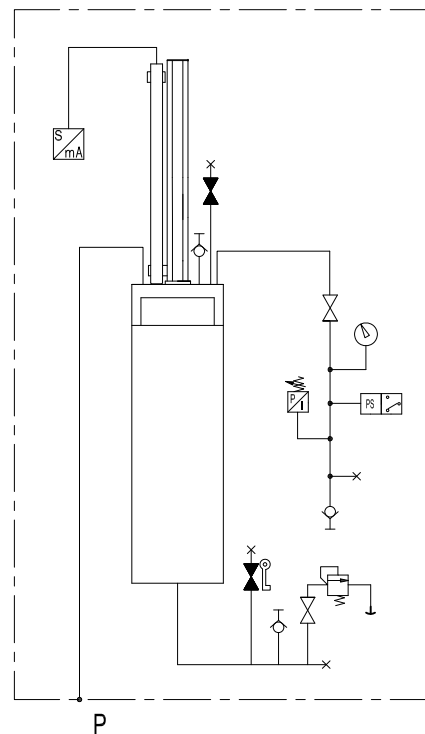
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10.4.1 EXAMPLES OF PISTON ACCUMULATOR STATION

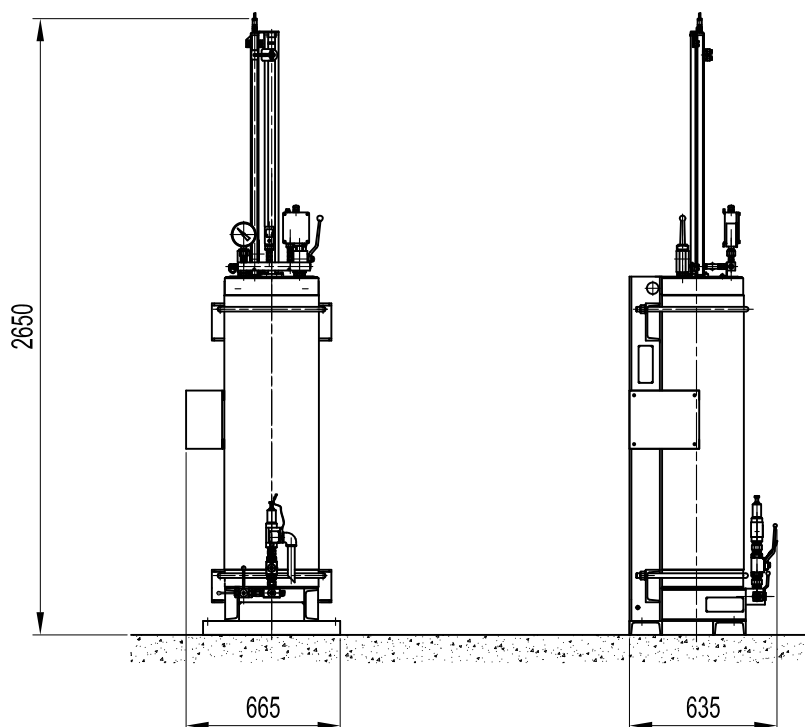


10.4a

HYDRAULIC DIAGRAM



10.4b

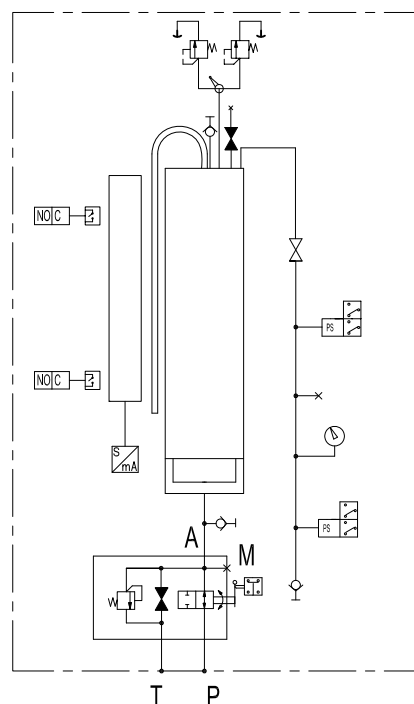


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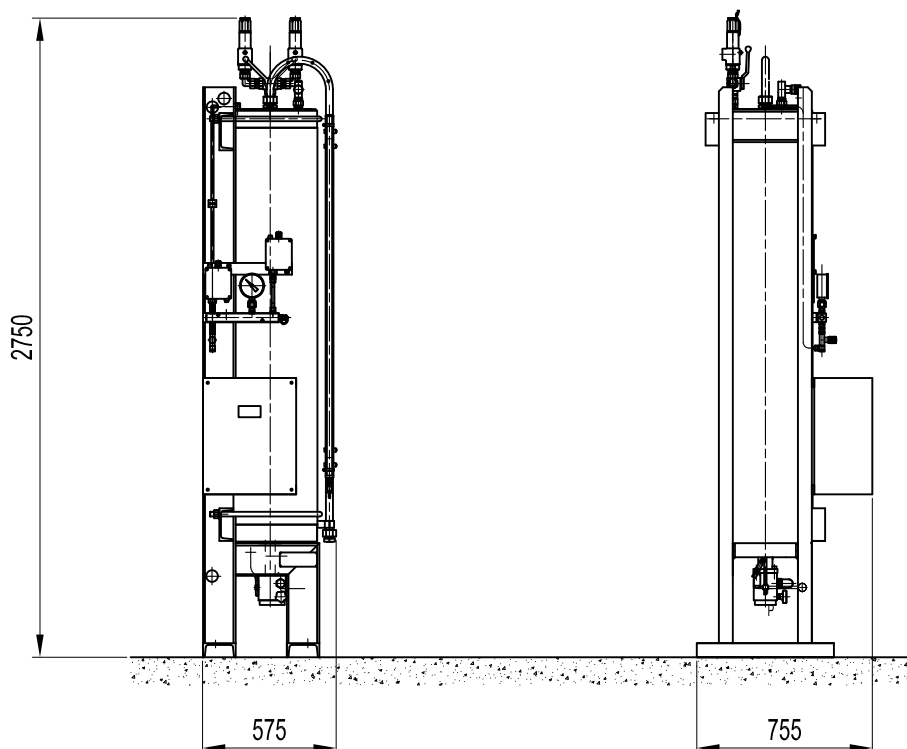


10.4d

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10.4e



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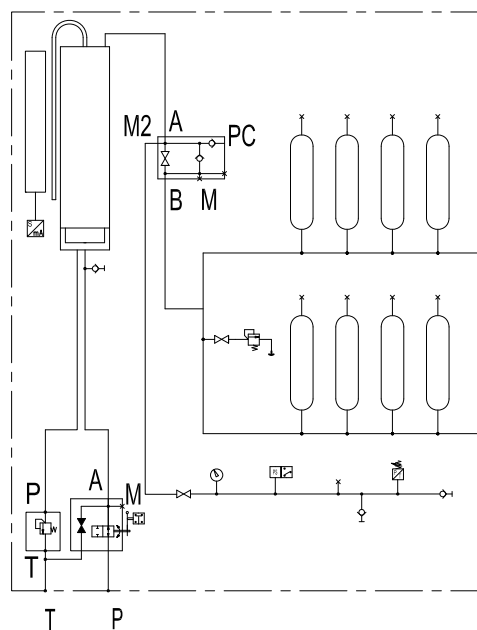
10.4f

10.5.1 EXAMPLES OF PISTON AND ADDITIONAL BOTTLE STATION

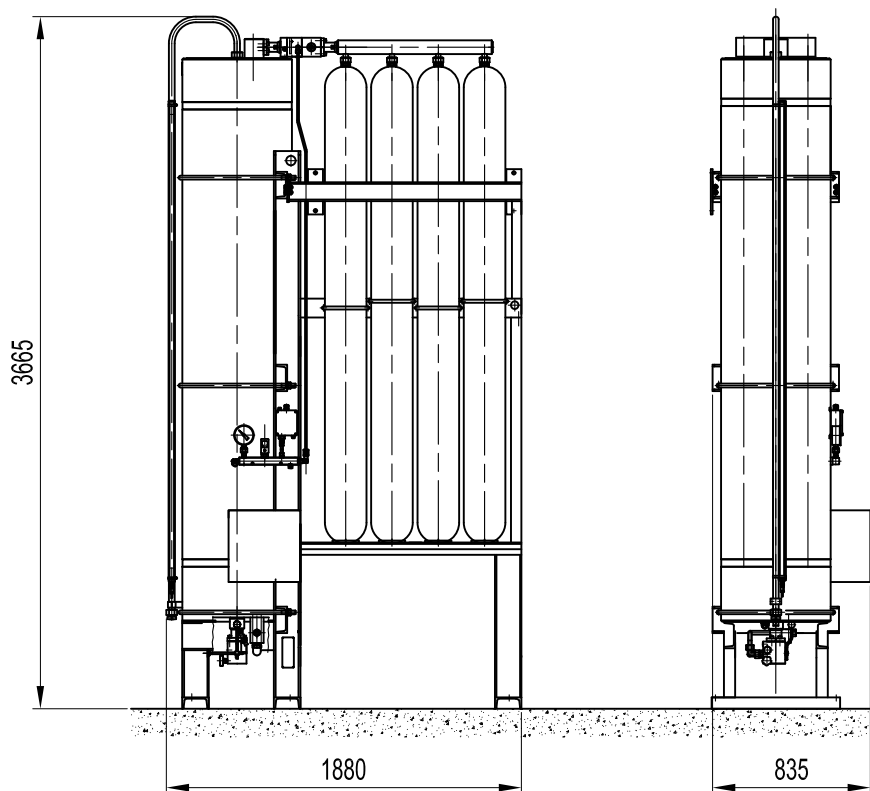


10.5a

HYDRAULIC DIAGRAM



10.5b

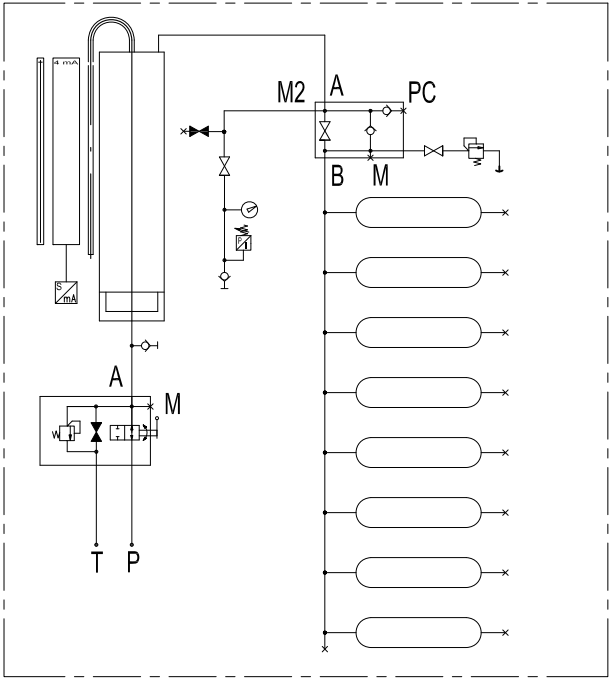


10.5c

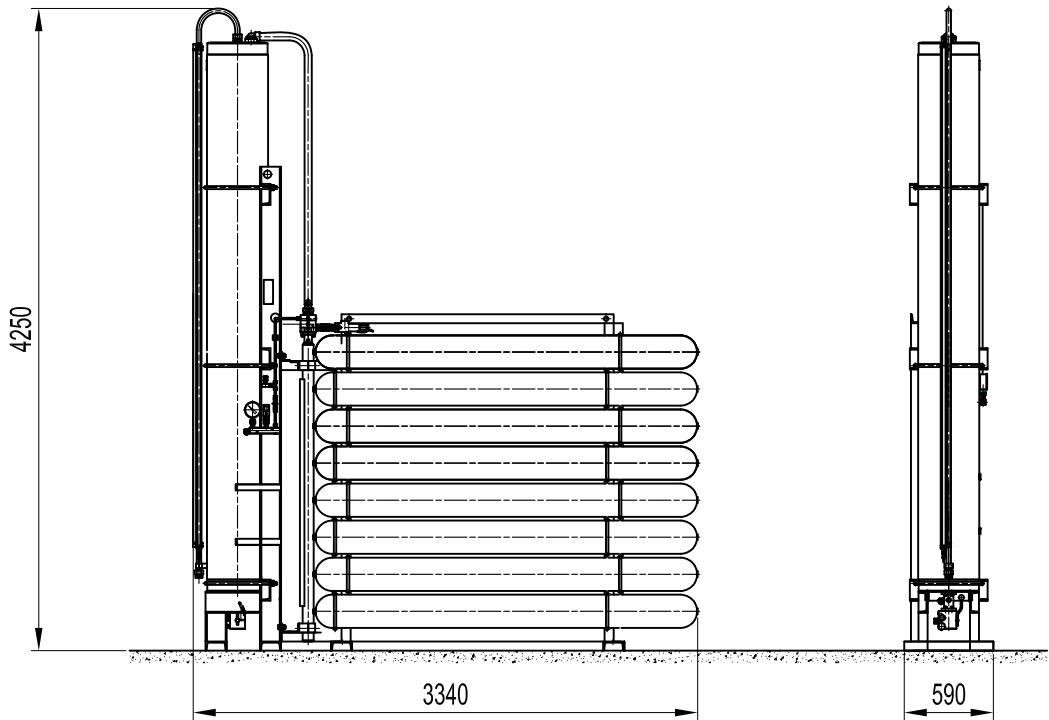


10.5d

HYDRAULIC DIAGRAM



10.5e



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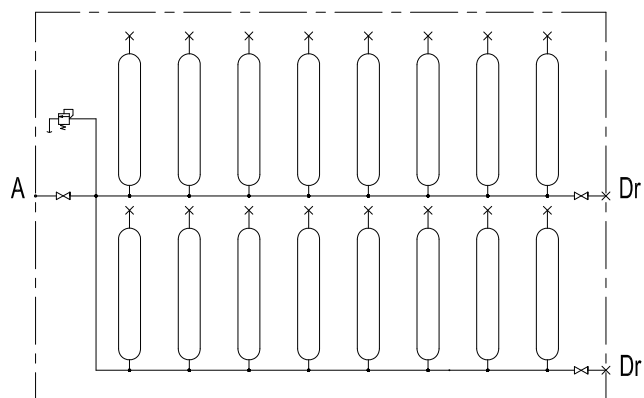
10.5f

10.6.1 EXAMPLES OF ADDITIONAL BOTTLE STATION

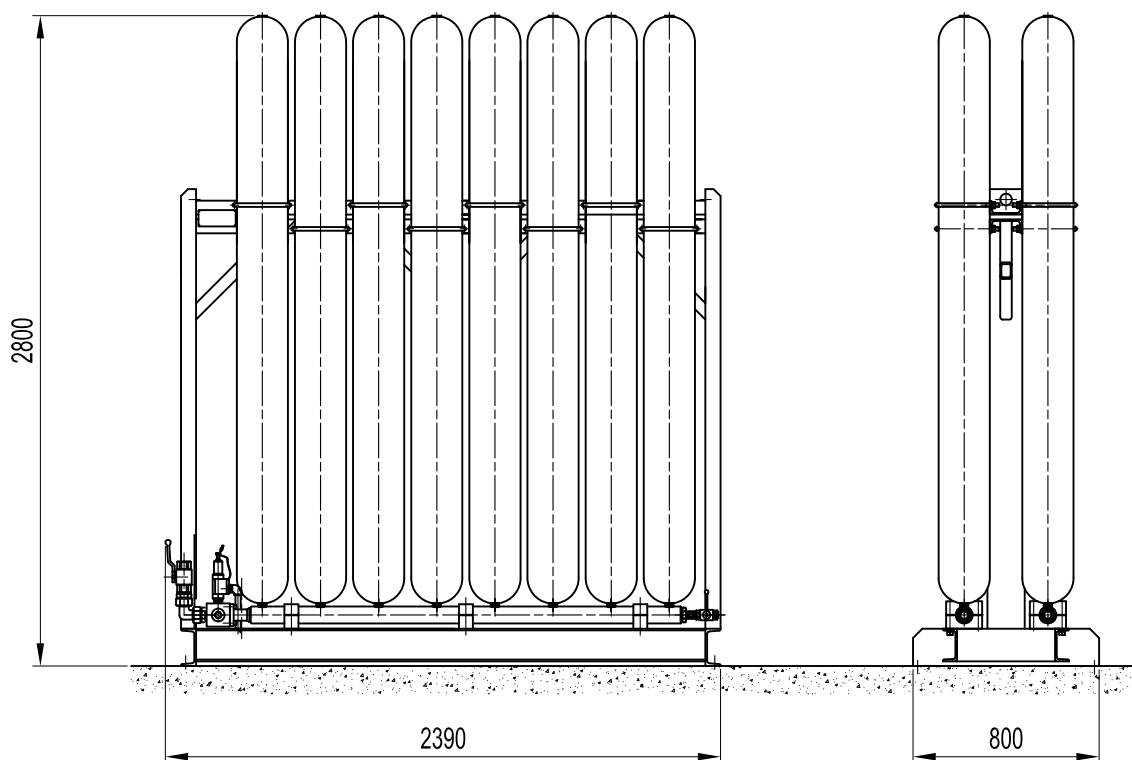


10.6a

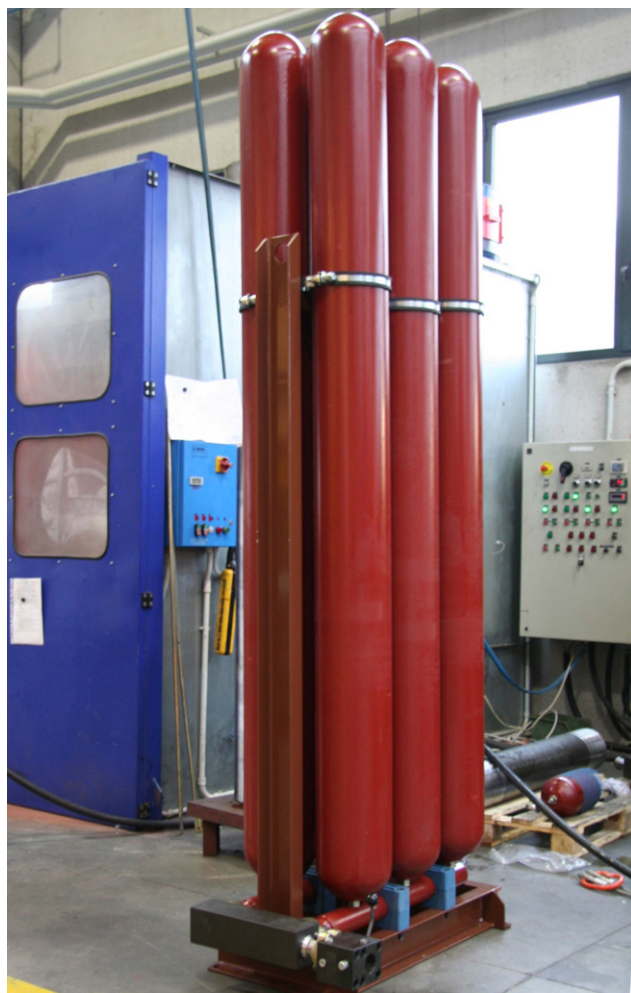
HYDRAULIC DIAGRAM



10.6b

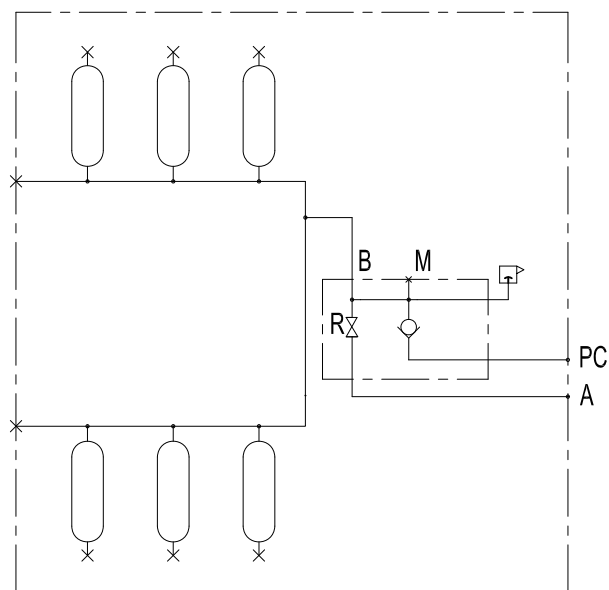


10.6c

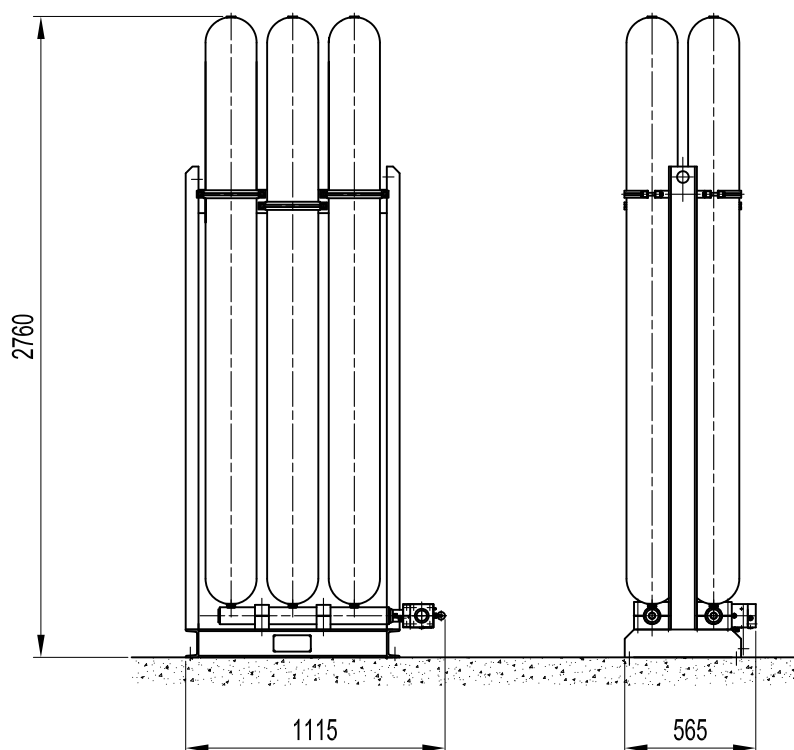


10.6d

HYDRAULIC DIAGRAM



10.6e



10.6f

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