

SWISS optio cylinder batteries



The **cylinder batteries** at a glance:

- extremely flexible modular system permits individual attention to user requirements
- assembled on-site – no problems for transporting the individual components
- adapts to the on-site space conditions; subsequent installation expansion possible
- shut-off possibility of the entire gas flow of one side and as well of the individual cylinder
- for inlet pressure 200 and 300 bar available

The **cylinder batteries** consist of individual modules which can be combined according to the client's wishes. They can be supplemented where required with manual or automatic change-over switching stations. According to the gas consumption single cylinder stations for the connection of a single cylinder or cylinder rack each side are used or the corresponding number of collector stations or additional cylinder stations. By connecting several cylinders a master manifold valve provides that the gas flow of the entire side can be shut-off.

The cylinders are connected with the **cylinder batteries** by means of high pressure hoses. The stations dispose of an integrated fixture for wall mounting, an individual high pressure shut-off valve, a snap hook for the retaining of the high pressure hoses, an integrated sinter filter and as option a backflow valve per cylinder. As further option the **cylinder batteries** can be equipped with a purging valve for the pressure release and purging of the battery when changing the cylinders.

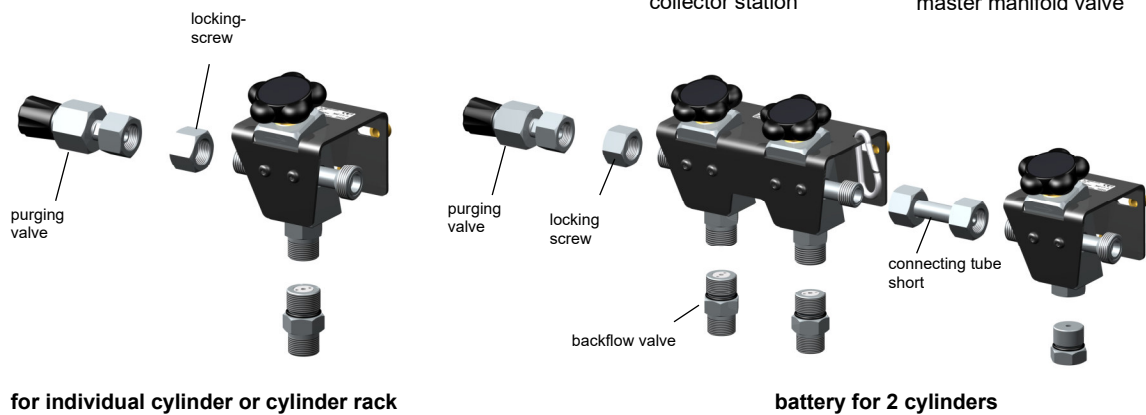
The individual components of the **cylinder batteries** are combined with connecting tubes with lock nuts on both sides. With the lengths of the connecting tubes the on-site space conditions can be met.

The **cylinder batteries** are certified in accordance with ISO 10297. CE marking according to the Guideline for

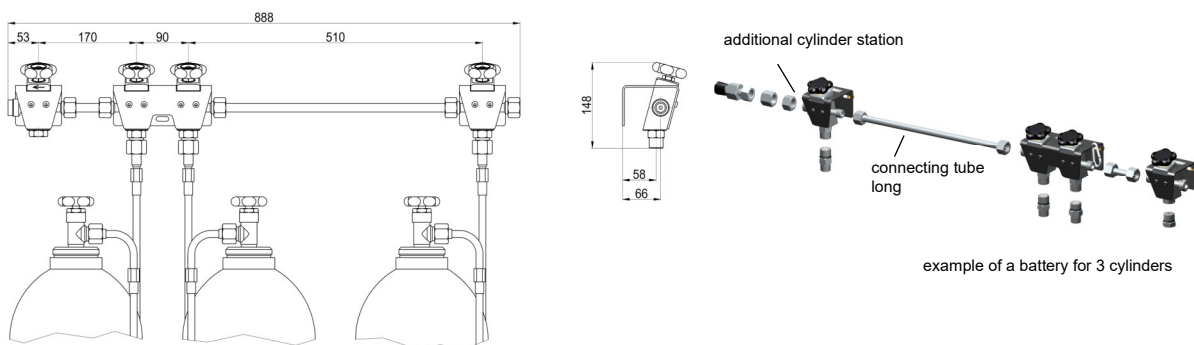
Technical data :

Classification	unit class to EU guideline 93/42 EEC, annex IX, class II a
Inlet pressure	200 bar, resp. 300 bar
Gases	AIR, O ₂ , CO ₂ , N ₂ O, He, Xe, test gas mixtures
Inlet	for 200 bar : G 3/4" / 300 bar : M24x1.5
Outlet	W 21.8x1/14, for master manifold valve and individual cylinder version gas specific
Material	brass nickel plated, stainless steel
Sealing material	EPDM, NBR, PEEK
Operating temperature	-20° to + 60°C
Dimensions	s. dimensional drawing below
Weight	master manifold valve approx. 1.6 kg additional cylinder station approx. 1.6 kg collector station approx. 3.7 kg

Model variants GM960x :



Dimensional drawing :



Necessary information when ordering :

Gas	AIR, O ₂ , CO ₂ , N ₂ O, He, Xe, test gas mixtures
Inlet pressure	200 or 300 bar
Number of cylinders	
Options	- with short or long connecting tube - with back-flow valve - with purging valve

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