



Header Tanks

In conformity to
CE - PED - ASME directives

DESCRIPTION

Header Tanks

Mecair, manufactures a wide range of tanks for the pulse-jet dust collector filters, complying with the following European Directives: 87/404/CEE, 90/488/CEE and 97/23/CE (PED). Mecair also manufactures pressure vessels in accordance to the American Code, ASME VIII Div.1 ("U" and "UM" Stamp). Models of tanks manufactured are listed below as follows. **TANK TYPE A:** with threaded stub pipes male gas (for the 200 Series valves). **TANK TYPE B:** with unthreaded stub pipes (for the 300 Series valves). **TANK TYPE D:** with welded flanges (for the 600 and 700 Series valves).

HOW TO CHOOSE THE DIAMETER OF YOUR TANK

The tank volume must be proportional to the output capacity of the installed diaphragm valve:

- 1) Choose your Mecair diaphragm valve, according to needs.
- 2) Define tank length.
- 3) Using the table below, select the right tank diameter.
- 4) Write down the tank code.

NOTE: the diaphragm valves mentioned in this publication refer to the specific Mecair products catalogue.

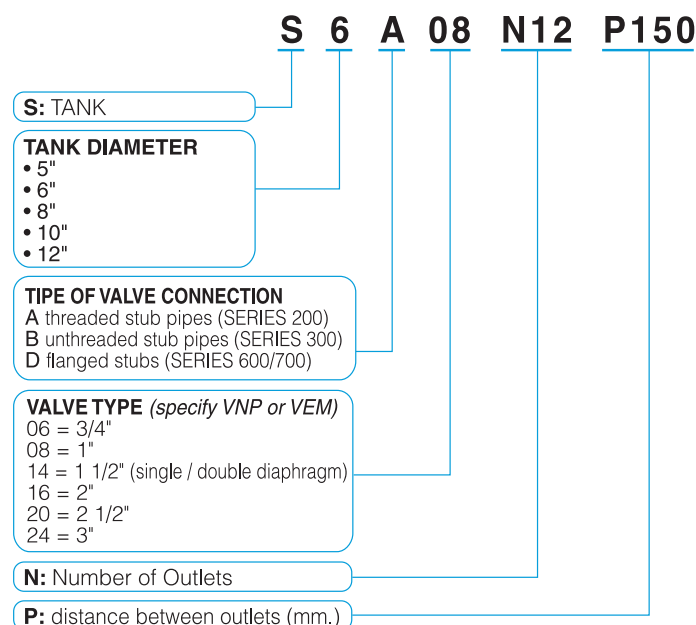
(VEM: diaphragm valve with remote pilot. VNP: diaphragm valve with integrated pilot).

Valve Type	1 mt.	1,5 mt.	2 mt.	3 mt.	4 mt.	5 mt.
VEM/VNP 206 - 306	6"	5"	5"	5"	5"	5"
VEM/VNP 208 - 308	6"	6"	6"	5"	5"	5"
VEM/VNP 214 - 314 - 608 - 708	8"	8"	6"	6"	6"	5"
VEM/VNP 216 - 614 - 714	10"	10"	10"	8"	6"	6"
VEM/VNP 220 - 616 - 716			10"	10"	8"	8"
VEM/VNP 224 - 720					10"	10"

HEADER TANK

The tanks manufactured by Mecair are designed for a maximum operating pressure of 8 bar. We suggest the installation of compressed air filter units to ensure air supply is clean and dry. Tank diameters range from 5", 6", 8", 10" and 12". All tanks are manufactured in accordance to the customers' requirements.

HOW TO ORDER:



NOTE: add "F" at the end of the key for tank which flat end caps (only on request).

TANK TYPE "A" WITH THREADED STUB PIPES GAS or NPT MALE

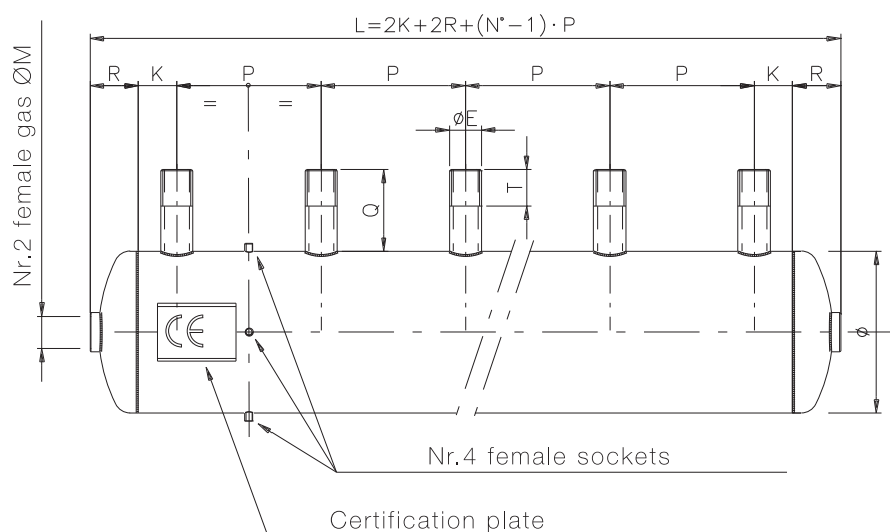
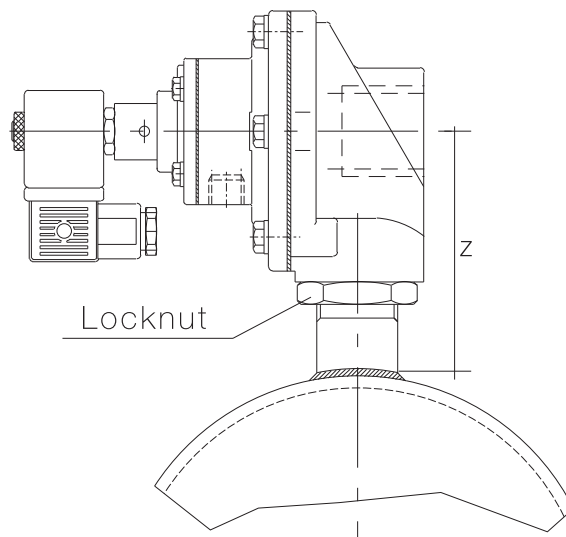
Header Tanks

TANK type "A" with threaded stub pipe connections are suitable for mounting the **200 Series** valves.

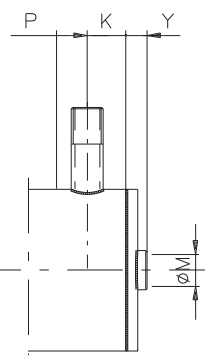
Available outlet diameters: 3/4", 1", 1 1/2", 2", 2 1/2" and 3".

NOTE: always use the locknut, position the valve, then tighten the locknut).

L	$2K + 2R + (N^{\circ} - 1) \times P$
N°	No. of connections
P	distance between connection



OPTIONAL
Flat end cap



Ø Nom.	Ø Ext.	No. Valves	Ø M	P Min.	P	K Min.	K	R	Y	Ø Tank	Ø E gas	Q	T	Z (±1)
5"	141,3	(*)	1"	150	(*)	40 (•)	(*)	50	15	5" / 6"	3/4"	85	40	112
6"	168,3	(*)	1"	150	(*)	40 (•)	(*)	50	15	5" / 6"	1"	85	40	120
8"	219,1	(*)	1 1/2"	150	(*)	40 (•)	(*)	70	18	5" / 6" / 8"	1 1/2"	85	40	136
10"	273,0	(*)	1 1/2"	280	(*)	65	(*)	90	18	8"	2"	85	40	150
										8" / 10"	2 1/2"	85	40	175
										10"	3"	100	50	205

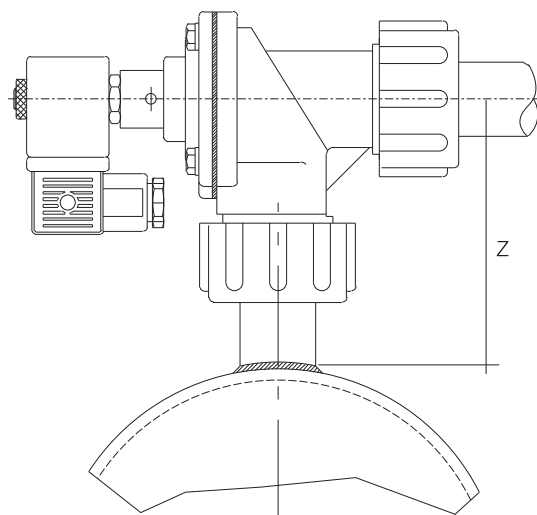
(*) Dimensions to be set by designer.
Tanks are painted in light blue RAL 5012 (other colours optional).

TANK TYPE "B" WITH UNTHREADED STUB PIPES

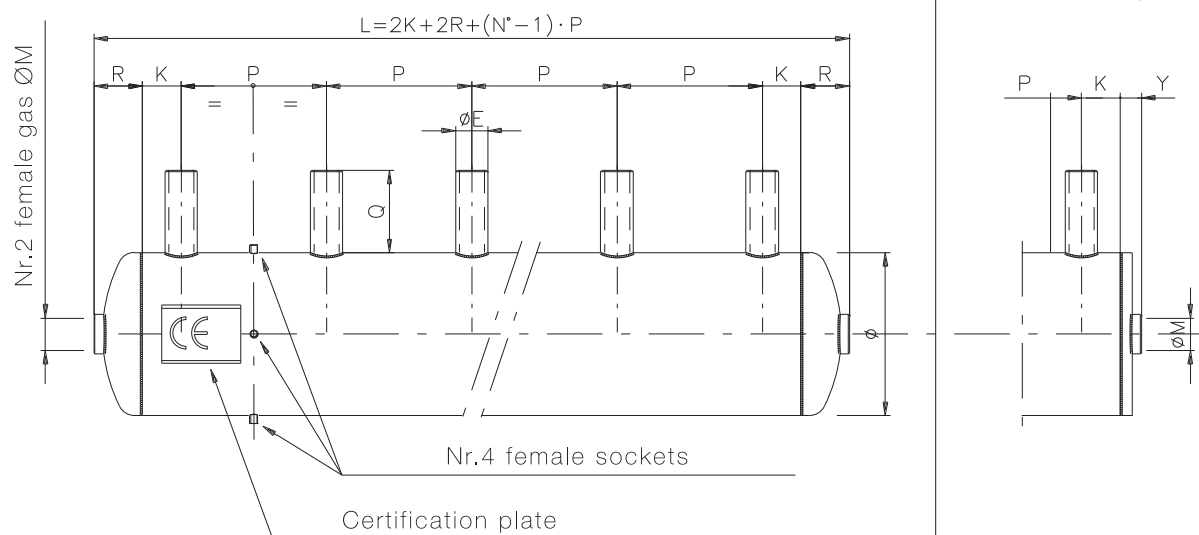
TANK type "B" with unthreaded stub pipe connections are suitable for mounting the **300 Series** valves.

Available outlet diameters: 3/4", 1", 1 1/2".

Header Tanks



L	$2K + 2R + (N^{\circ} - 1) \times P$
N°	No. of connections
P	distance between connection



Ø Nom.	Ø Ext.	N. Valves	Ø M	P Min.	P	K Min.	K	R	Y	Ø Tank	Ø E gas	Q	Z
5"	141,3	(*)	1"	150	(*)	40 (•)	(*)	50	15	5" / 6"	3/4"	85	125
6"	168,3	(*)	1"	150	(*)	40 (•)	(*)	50	15	5" / 6"	1"	85	133
8"	219,1	(*)	1 1/2"	150	(*)	40 (•)	(*)	70	18	5" / 6" / 8" / 10"	1 1/2"	85	138
10"	273,0	(*)	1 1/2"	150	(*)	65	(*)	90	18				

(*) Dimensions to be set by designer.

Tanks are painted in light blue RAL 5012 (others colours optional).

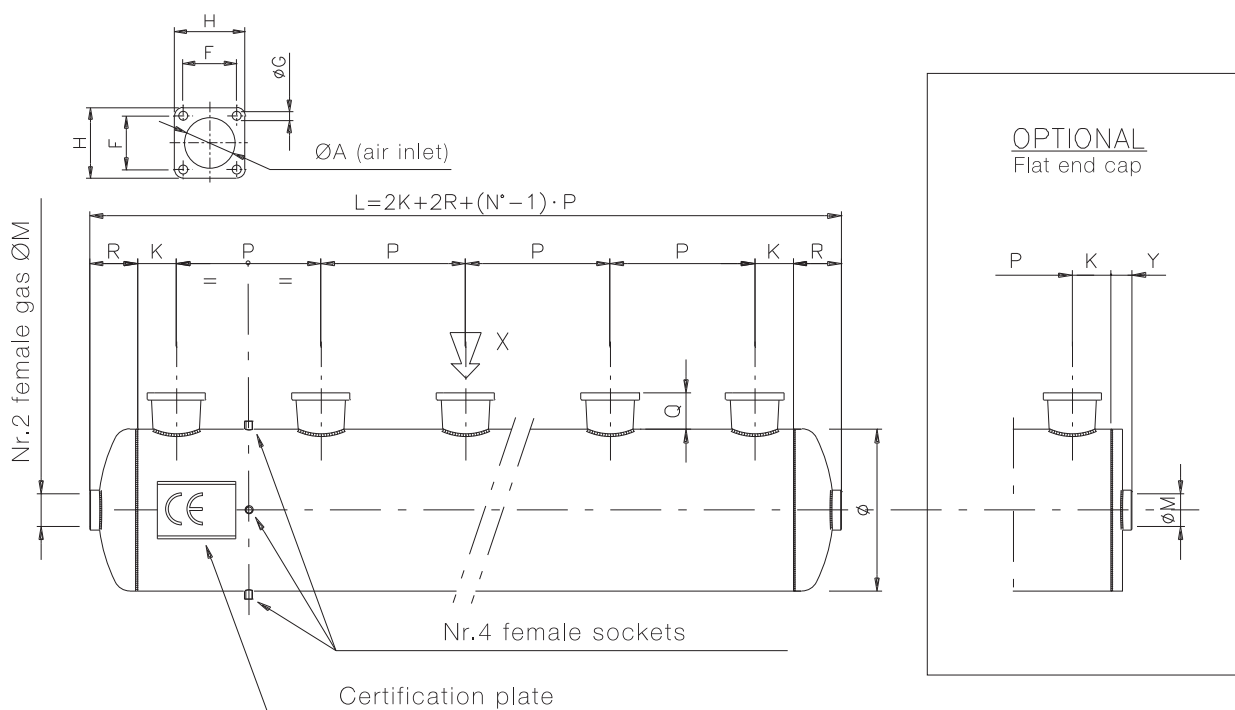
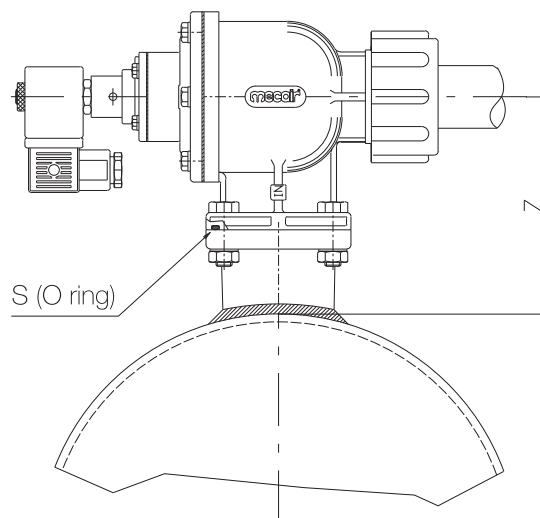
TANK TYPE "D" WITH FLANGED STUB PIPES

TANK type "D" with flanged stub pipe connections are suitable for mounting the **600** and **700 Series** valves. Full range of sizes are available.

NB: Tank type "D" fully equipped with VNP series 600 and or 700 valves.

L	$2K + 2R + (N^{\circ} - 1) \times P$
N°	No. of connections
P	distance between connection

Header Tanks



Ø Nom.	Ø Ext.	Ø M	P	K Min.	R	Q
5"	141,3	1"	(*)	50	50	45
6"	168,3	1"	(*)	50	50	45
8"	219,1	1 1/2"	(*)	50	70	45
10"	273,0	2"	(*)	50	100	48

Flange	F	Ø G	H	Ø A	Z	S
FL08	60	9	83	2"	133	OR6250
FL14	72	11,5	95	2 1/2"	148	OR178
FL16	85	13,5	110	3"	162	OR6350
FL20	94	13,5	120	3 1/2"	177	OR189

(*) Dimensions to be set by designer.

Tanks are painted in light blue RAL 5012 (others colours optional).

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

Note:

A large rectangular area filled with a grid of small squares, created by dashed lines. This area is intended for handwritten notes or technical drawings.



THE TOTAL SOLUTION PROVIDER

Mecair S.r.l.

Via per Cinisello 97
20054 Nova Milanese - Milano
ITALY

Tel.: +39 0362 3751

Fax: +39 0362 367279

email: mecair@mecair.it

www.mecair.it

www.cleanairsystems.com

EUROPE

• **Tyco Umwelttechnik**
Im Petersfeld 6
D-65624 Altendiez
GERMANY
Tel.: +49 6432 1001/1002
Fax: +49 6432 63810

• **Goyen Controls Co UK Ltd**
Unit 3B Beechwood
Chineham Business Park
Basingstoke, Hampshire, RG24 8WA
UNITED KINGDOM
Tel.: +44 1256 817 800
Fax: +44 1256 843 164

ASIA PACIFIC

• **Goyen Controls Co Pty Ltd**
268 Milperra Road
Milperra
NSW 2214 AUSTRALIA
Tel.: +61 2 9792 0201
Fax: +61 2 9771 5380

• **Goyen S.R.O.**
Shanghai Representative Office
2521 Zhao Feng World Trade Building
369 Jiang Su Road Shanghai 200050 CHINA
Tel.: +86 21 5239 8810
Fax: +86 21 5239 8812

USA

• **Goyen Valve Corporation**
1195 Airport Road
Lakewood
New Jersey 08701 USA
Tel.: +1 732 364 7800
Fax: +1 732 364 7839