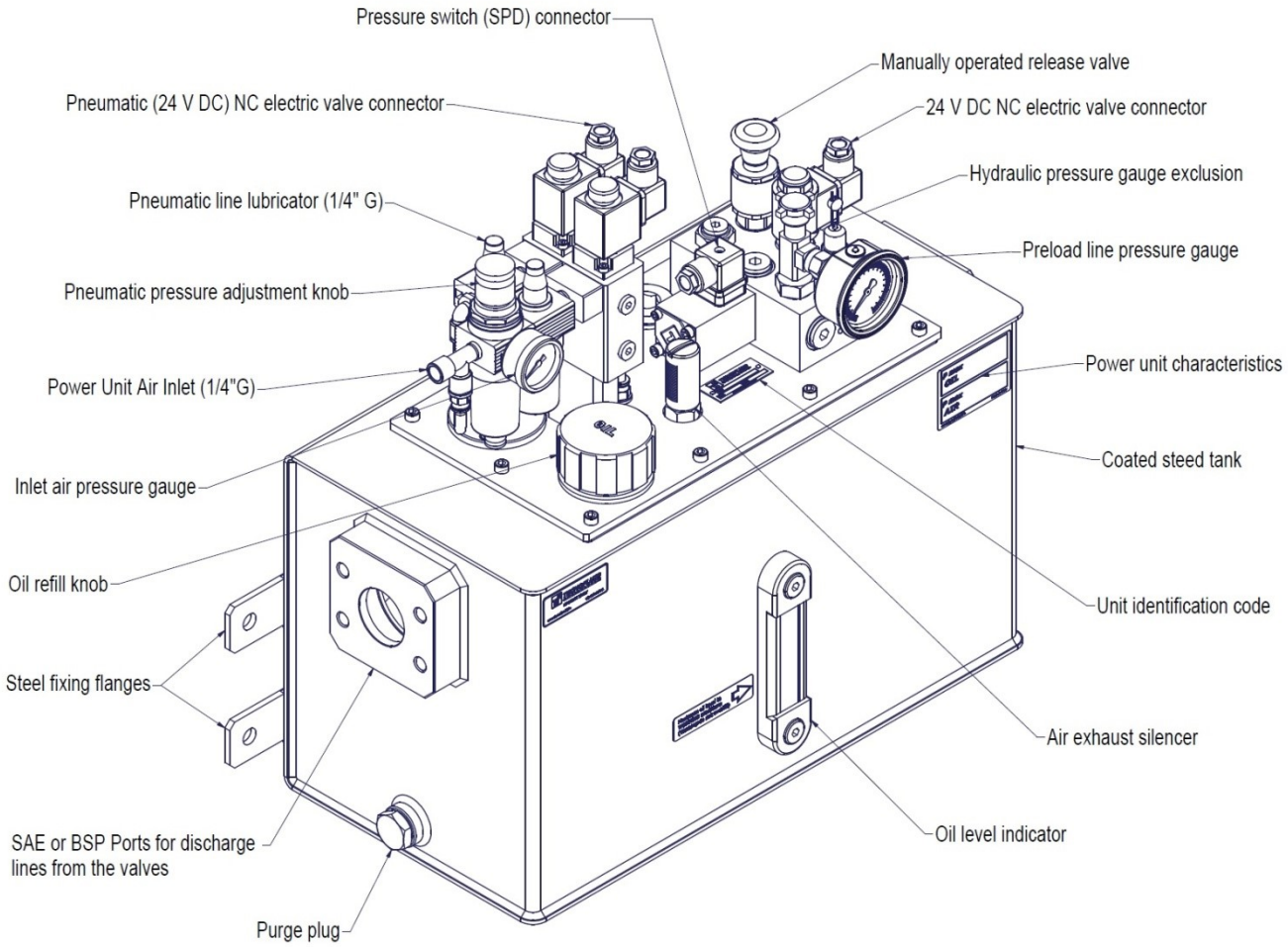
TECNOFLUID
ENGINEERING

5G SERIES

SAFETY DEVICE

HYDRAULIC POWER UNITS

Hydraulic Power Unit Features



Standard Specifications

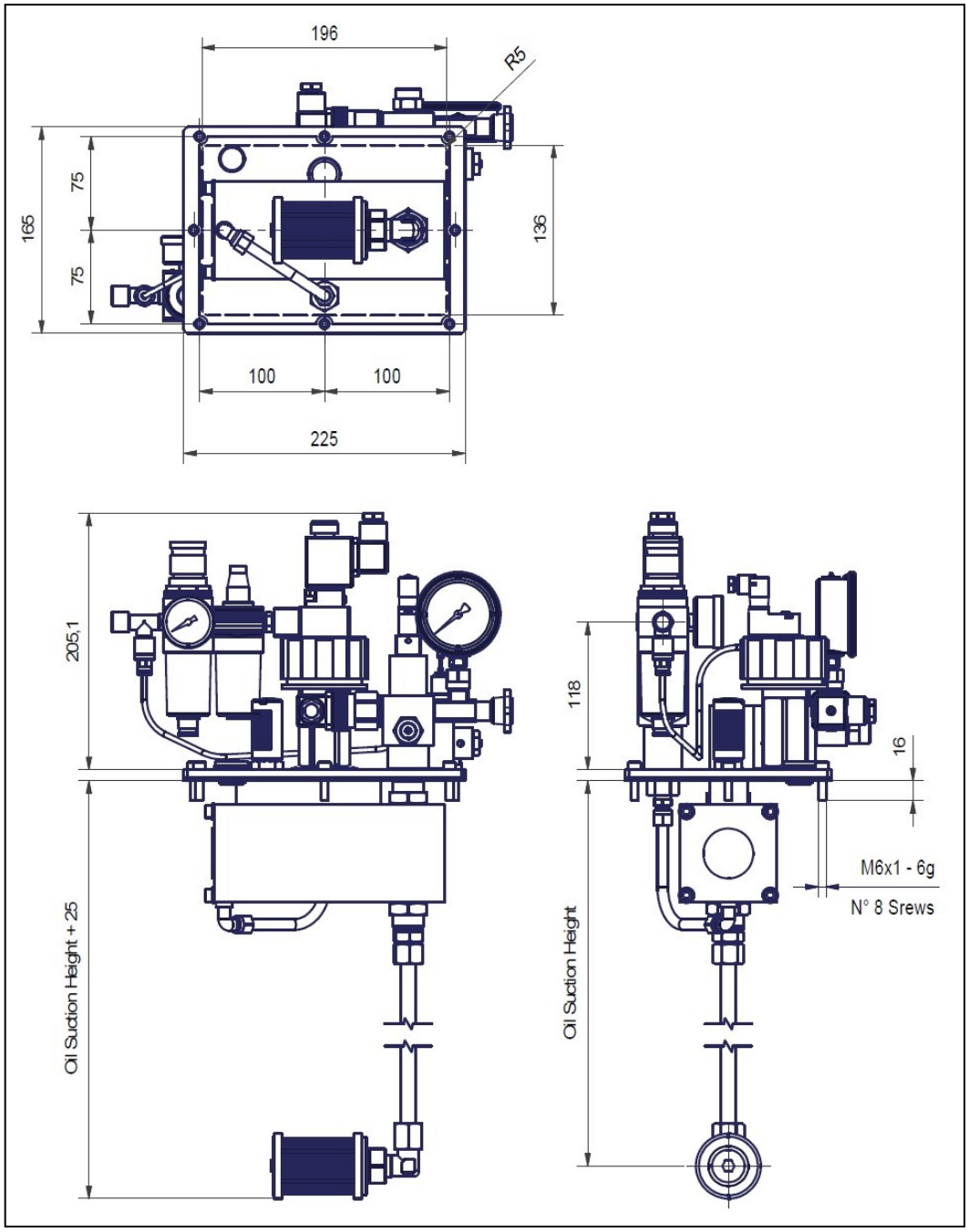
- 60 to 450 bar Pressure range.
- BSP or SAE ports.
- Up to 20 liter tank capacity.
- Feeding air treatment.

Ordering Code Model for Power Units 5 G *X X X X X X X X* 0 0

5	**Power Unit**	→	**THIS FIELD IS NOT MODIFIABLE**																
G	**Safety Device**	→	**THIS FIELD IS NOT MODIFIABLE**																
…	**Power Unit type**	→	C	Compact	H	High performance													
…	**Pumps Quantity**	→	1	Single pump	2	Double pump													
…	**Pump Size**	→	A	450 bar	B	240 bar	C	125 bar	D	100 bar	E	60 bar							
…	**Tank Shape**	→	0	No tank	1	Tank without T ports (vertical drain)	2	Tank with lateral T ports BSP 1"1/4	3	Tank with lateral T ports SAE 1"1/2	4	Tank with lateral T ports SAE 2"	5	Tank with lateral T ports SAE 2"1/2	6	Tank with lateral T ports SAE 3"	9	Customized Tank	
…	**Oil Suction Height**	→	0	Minimum Height	A	200 mm	B	250 mm	C	300 mm	D	350 mm	E	400 mm	F	450 mm			
…	**Tank Size (useful oil)**	→	0	No tank	1	One liter	2	Three liters	3	Six liters	4	Ten liters	5	Twenty liters	6	Forty liters	9	Customized Tank	
…	**Air Feeding Treatment**	→	0	Without air treatment	1	Air lubricator only	2	Manually operated air pressure reducer and air lubricator	3	Proportional air pressure reducer and air lubricator									
…	**Connecting Rod Quantity**	→	1	One connecting rod (compact only)	2	Two connecting rod	4	Four connecting rod (for two pumps only)											
0	**OPTIONS**	→	0	None	1	Manually operated control block	2	Level Indicator with Electric Contact	3	Pneumatic Control Block without Electro Valve	4	Option 1 + Option 3	5	Additional Control Block	6	Additional Control Block + Modular Reducer	7	Port on the Cover	
0	**OPTIONS**	→	0	None	1	No set valve.	2	Bottom port	3	Non standard Level switch Position.	4	Special Tank							

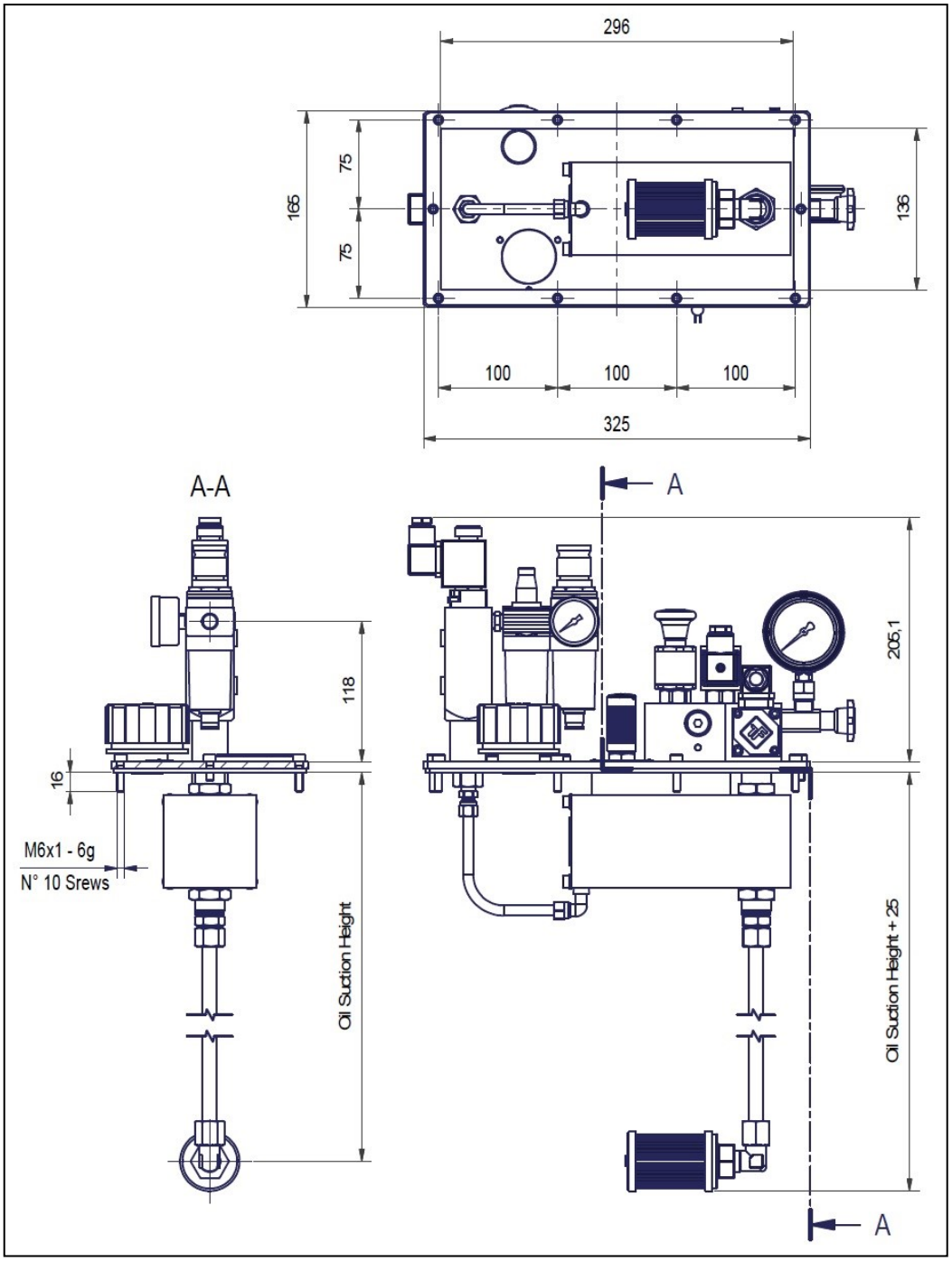
Tank Shape and Size Selection

5GC1 **Compact with NO tank** (1 pump)



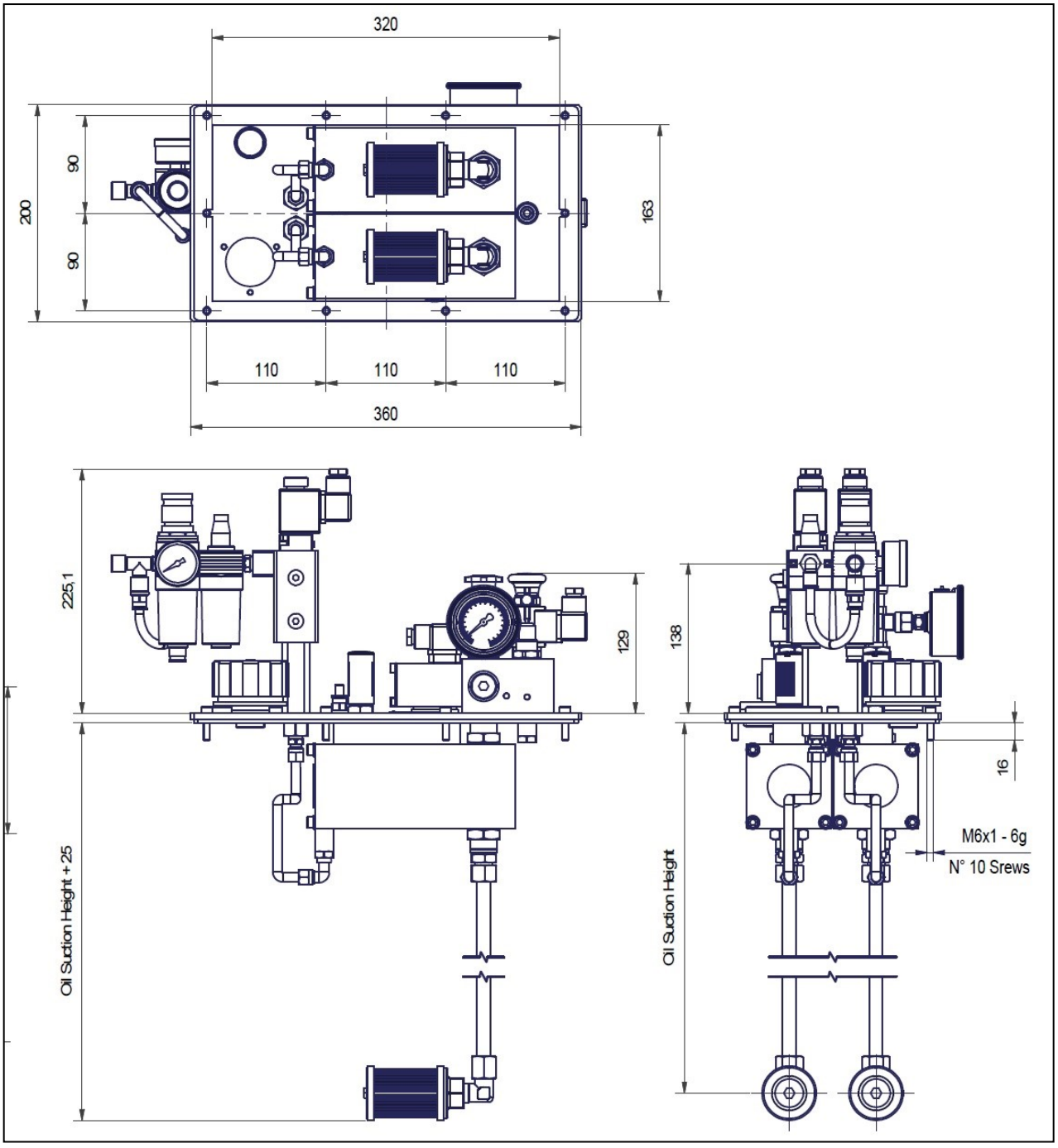
Power Units with no tank will require a rectangular opening where to be mounted.
The figure above shows the dimensions, the nut-to-nut distance, nut quantity and thread needed to mount power units of the type: **5GC1X0X0XXXX** (where the Xs are to be chosen as required).

5GH1 **High Performance with NO tank** (1 pump)



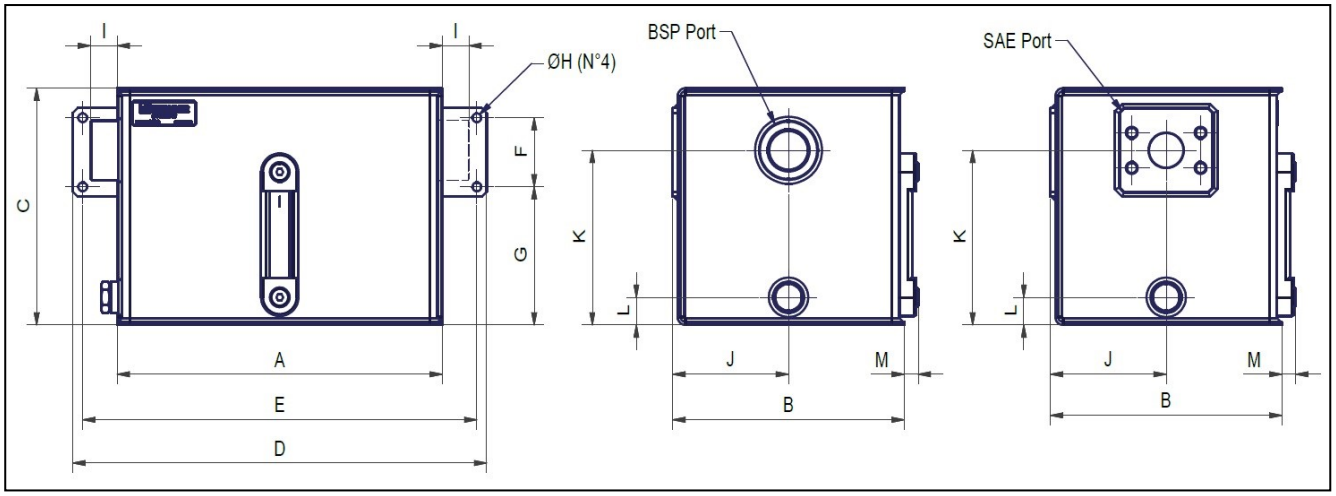
Power Units with no tank will require a rectangular opening where to be mounted.
The figure above shows the dimensions, the nut-to-nut distance, nut quantity and thread needed to mount power units of the type: **5GH1X0X0XXXX** (where the Xs are to be chosen as required).

5GH2 **High Performance with NO tank** (2 pumps)



Power Units with no tank will require a rectangular opening where to be mounted.
The figure above shows the dimensions, the nut-to-nut distance, nut quantity and thread needed to mount power units of the type: **5GH2X0X0XXXX** (where the Xs are to be chosen as required).

5GC1 **Compact Tank** (with 1 pump)



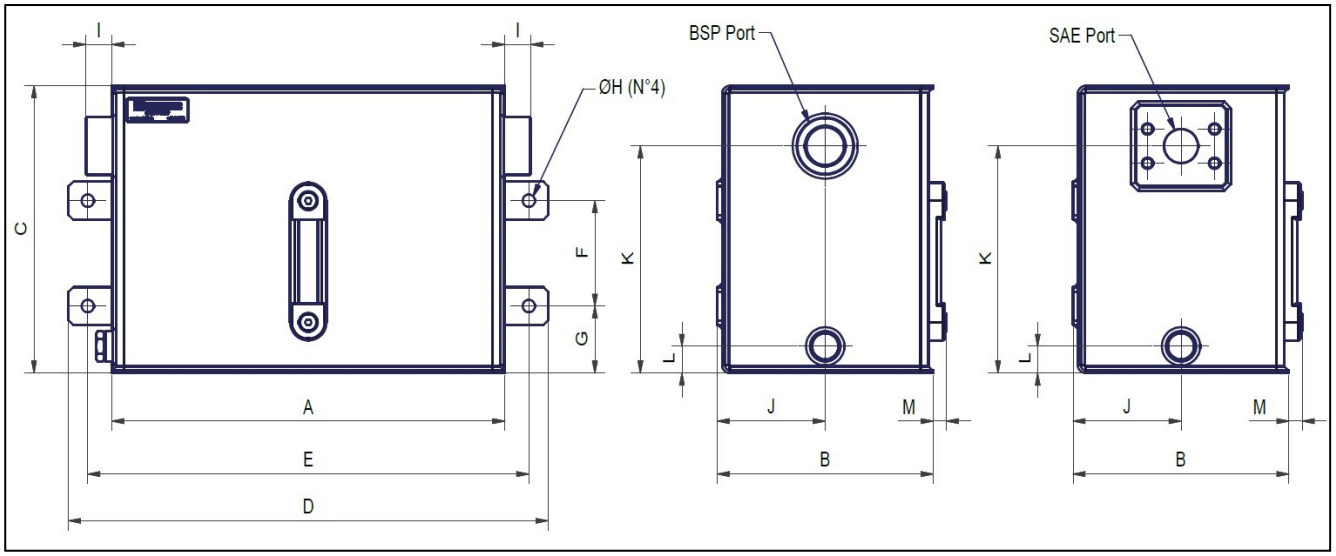
Dimensions are given for Tanks of the Compact series (table on the right), where non, one (on the left side) or two ports can be chosen.

Tank Size	**1** (1 Lt)		**2** (3 Lt)		**3** (6 Lt)		
Tank Shape	**1**	**2**	**1**	**2**	**1**	**2**	**3**
A	280		280		330		
B	205		205		235		
C	150		190		240		
D	370		370		420		
E	350		350		400		
F	55		70		70		
G	70		90		140		
Ø H	9		9		9		
I	---	27	---	27	---	27	25
J	102,5		102,5		117,5		
K	---	102	---	127	---	177	
L	28		28		28		
M	14		14		14		

Overall height should be considered as the following table and the final user should consider the dimensions of the side couplings before mounting.

Overall Height	**C +**	210	When One pump is used.
		230	When Two Pumps are used.
		245	When Proportional Air Reducer is used.

5GH1 **High Performance Tank** (with 1 pump)



Dimensions are given for Tanks of the High Performance series with one pump, where non or both ports can be chosen.

Tank Size	**3** (6 Lt)					
Tank Shape	**1**	**2**	**3**	**4**	**5**	**6**
A	410					
B	225					
C	300					
D	500					
E	460					
F	110				100	90
G	70		60	50		40
Ø H	13					
I	---	27	25			35
J	112,5					
K	---	237	230	224		212
L	28					
M	14					

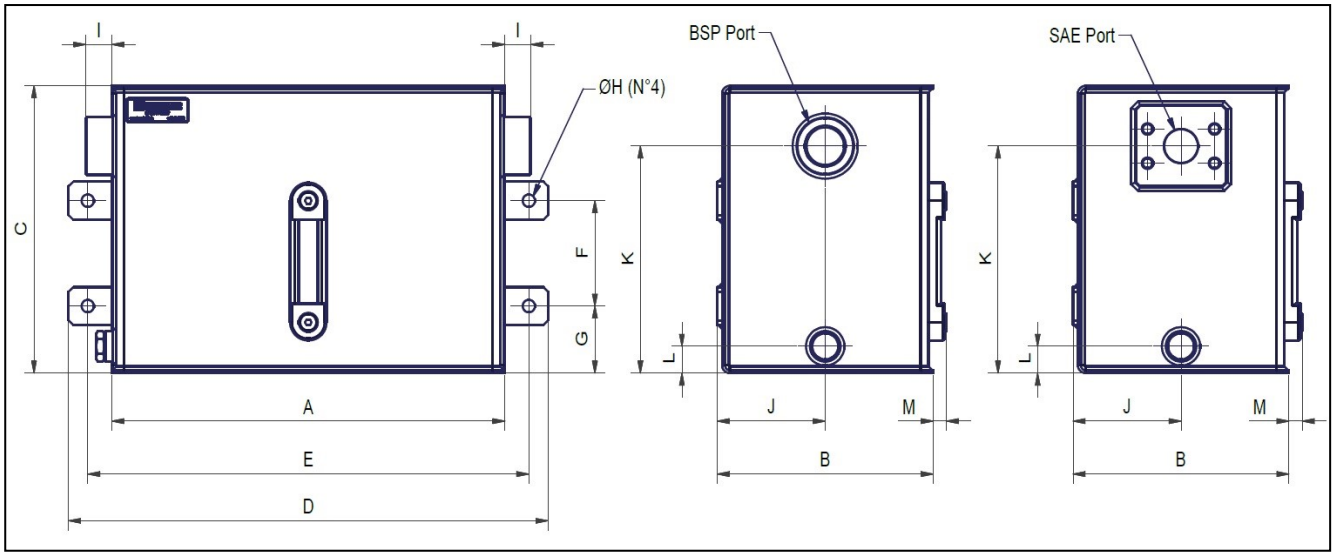
4 (10 Lt)					
1	**2**	**3**	**4**	**5**	**6**
500					
255					
290					
580					610
540					570
110		100			85
70	60		50		35
13					
---	27	25			35
127,5					
---	227	220			202
28					
14					

5 (20 Lt)					
1	**2**	**3**	**4**	**5**	**6**
500					
255					
350					
580					610
540					570
170		150			135
70	60		50		40
13					
---	27	25			35
127,5					
---	287	280	274		262
28					
14					

Overall height should be considered as the following table and the final user should consider the dimensions of the side couplings before mounting.

Overall Height	**C +**	210	When One pump is used.
		230	When Two Pumps are used.
		245	When Proportional Air Reducer is used.

5GH2 **High Performance Tank** (with 2 pumps / two ports)



Dimensions are given for Tanks of the High Performance series with tow pumps, where non or two ports can be chosen.

Tank Shape	**3** (6 Lt)					
Tank Size	**1**	**2**	**3**	**4**	**5**	**6**
A	420					
B	225					
C	290					
D	500		530			
E	460		490			
F	110		100			80
G	70	60	50	40		35
Ø H	13					
I	---	27	25			35
J	112,5					
K	---	227	220	214		203
L	28					
M	14					

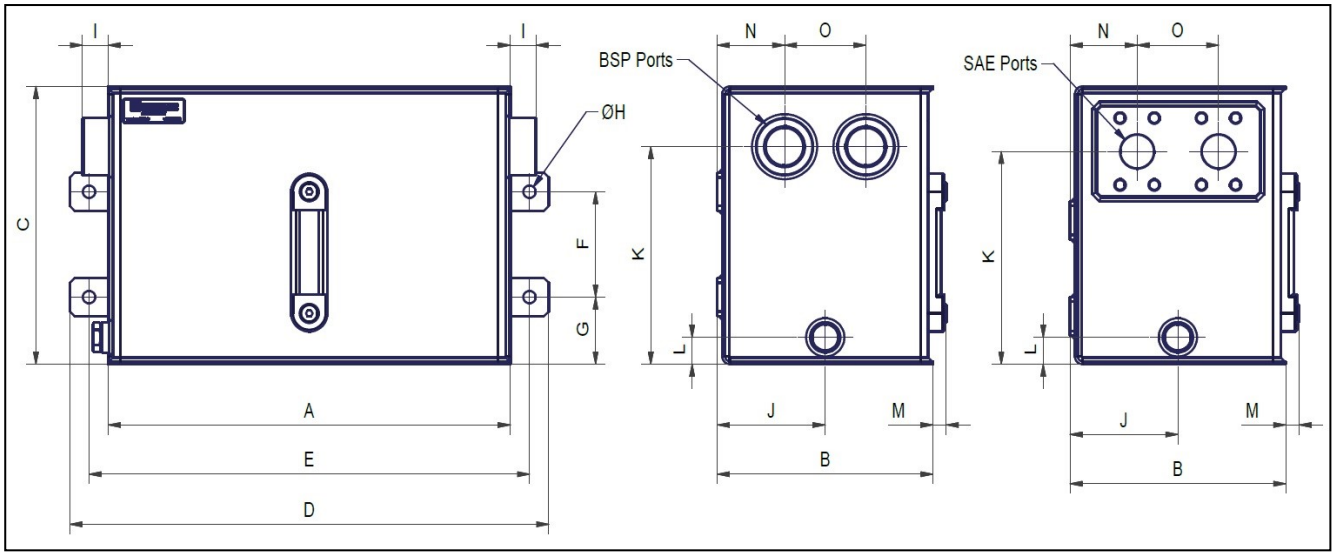
4 (10 Lt)					
1	**2**	**3**	**4**	**5**	**6**
500					
255					
290					
580					610
540					570
110		100			80
70	60	50	40		35
13					
---	27	25			35
127,5					
---	227	220	214		203
28					
14					

5 (20 Lt)					
1	**2**	**3**	**4**	**5**	**6**
500					
255					
350					
580					
540					
170	150	140	130		120
70					
13					
--	27	25			35
127,5					
--	287	280	274		263
28					
14					

Overall height should be considered as the following table and the final user should consider the dimensions of the side couplings before mounting.

Overall Height	**C +**	210	When One pump is used.
		230	When Two Pumps are used.
		245	When Proportional Air Reducer is used.

5GH2 **High Performance Tank** (with 2 pumps / four ports)



Dimensions are given for Tanks of the High Performance series with two pumps, where non or four ports can be chosen.

Tank Shape	**3** (6 Lt)				
Tank Size	**2**	**3**	**4**	**5**	**6**
A	420				
B	225		250	270	312
C	290				
D	500	530			
E	460	490			
F	110	100		95	80
G	70	50	40	35	
H	13				
I	27	25			35
J	112,5		125	135	156
K	227	222	217	212	202
L	28				
M	14				
N	70	69.5	75,5	79,5	89,5
O	85	86	99	111	133

4 (10 Lt)				
2	**3**	**4**	**5**	**6**
500				
255			270	312
290				
580	610			
540	570			
110	100		95	80
70	50	40	35	
13				
27	25			35
127,5			135	156
227	222	217	212	202
28				
14				
85	84.5	78	79,5	89,5
85	86	99	111	133

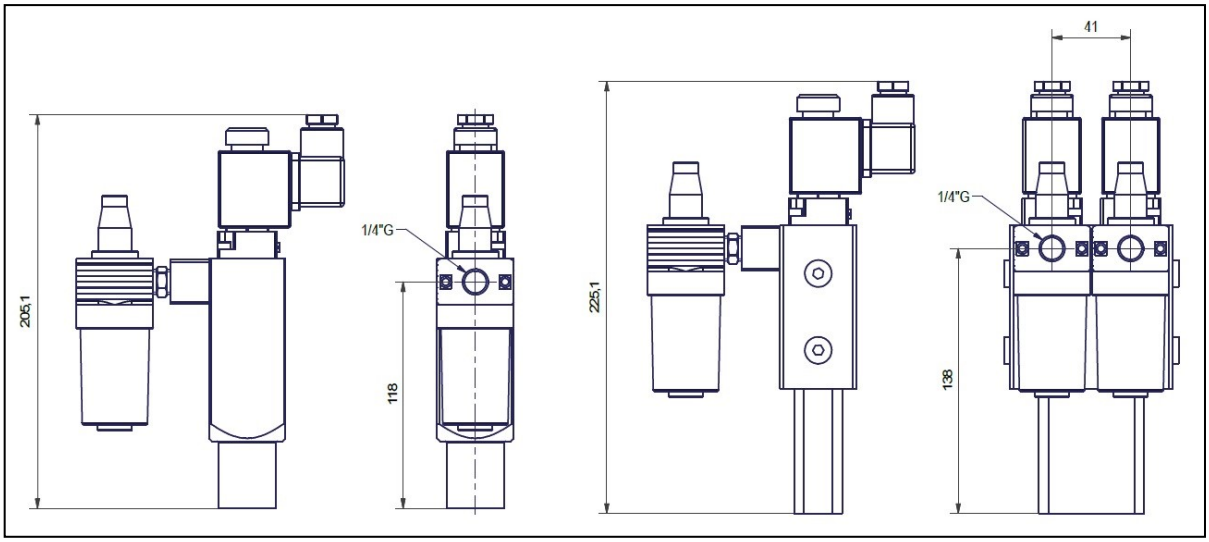
5 (20 Lt)				
2	**3**	**4**	**5**	**6**
500				
255			270	312
350				
580				
540				
170	140		130	110
70			60	
13				
27	25			35
127,5			135	156
287	282	277	272	262
28				
14				
85	88	78	79,5	89,5
85	86	99	111	133

Overall height should be considered as the following table and the final user should consider the dimensions of the side couplings before mounting.

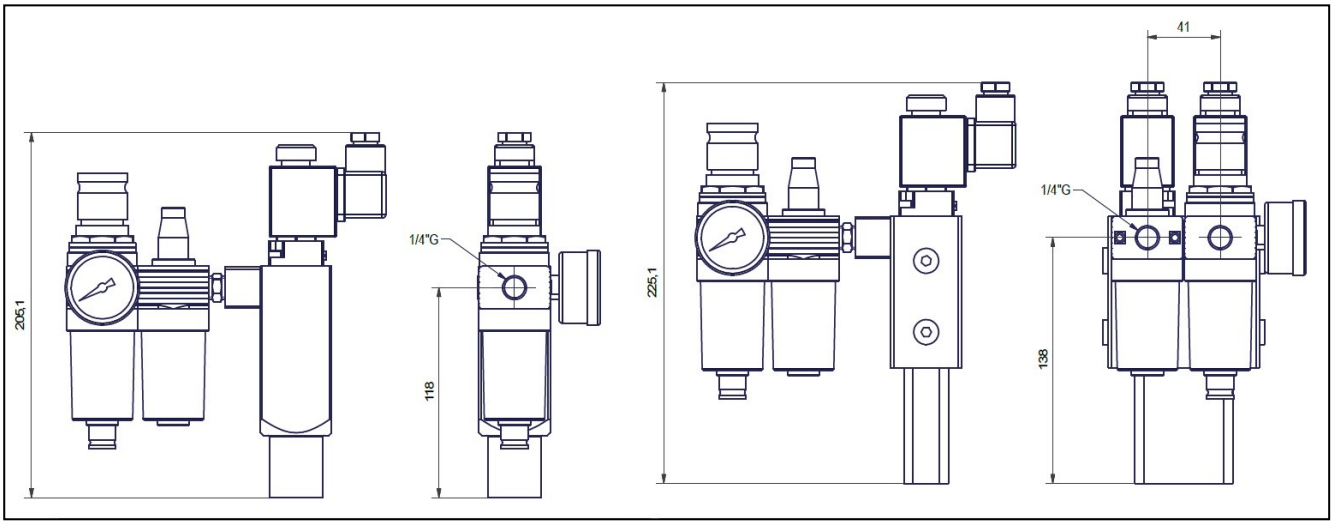
Overall Height	**C +**	210	When One pump is used.
		230	When Two Pumps are used.
		245	When Proportional Air Reducer is used.

Type of Air Feeding Selection

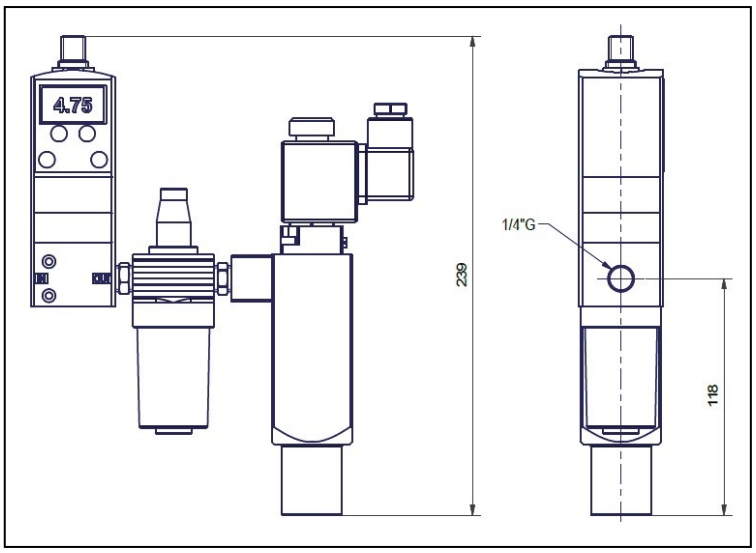
1 Air Lubrificator Only



2 Manually Operated Air Pressure Reducer (+ Lubrificator)



3 Proportional Air Pressure Reducer and Air Lubrificator.



TECNOFLUID ENGINEERING srl Via Dei Mille,2/C 20811 CESANO MADERNO (MB) ITALY

TEL. 0362.645981 FAX 0362.645999 e-mail info@tecnofluid.info www.tecnofluid.info