

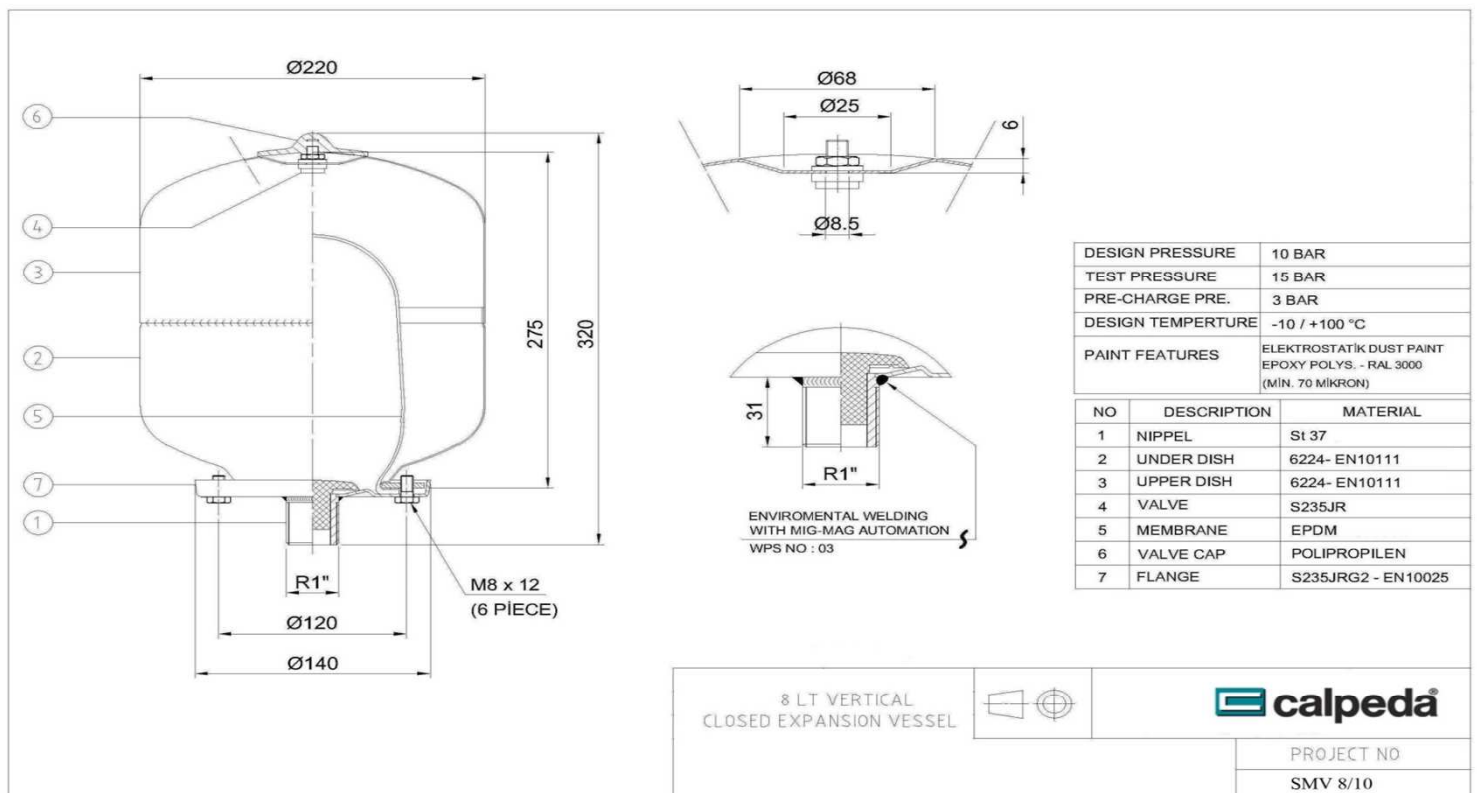
EXPANSION TANKS FOR PACKAGED UNITS

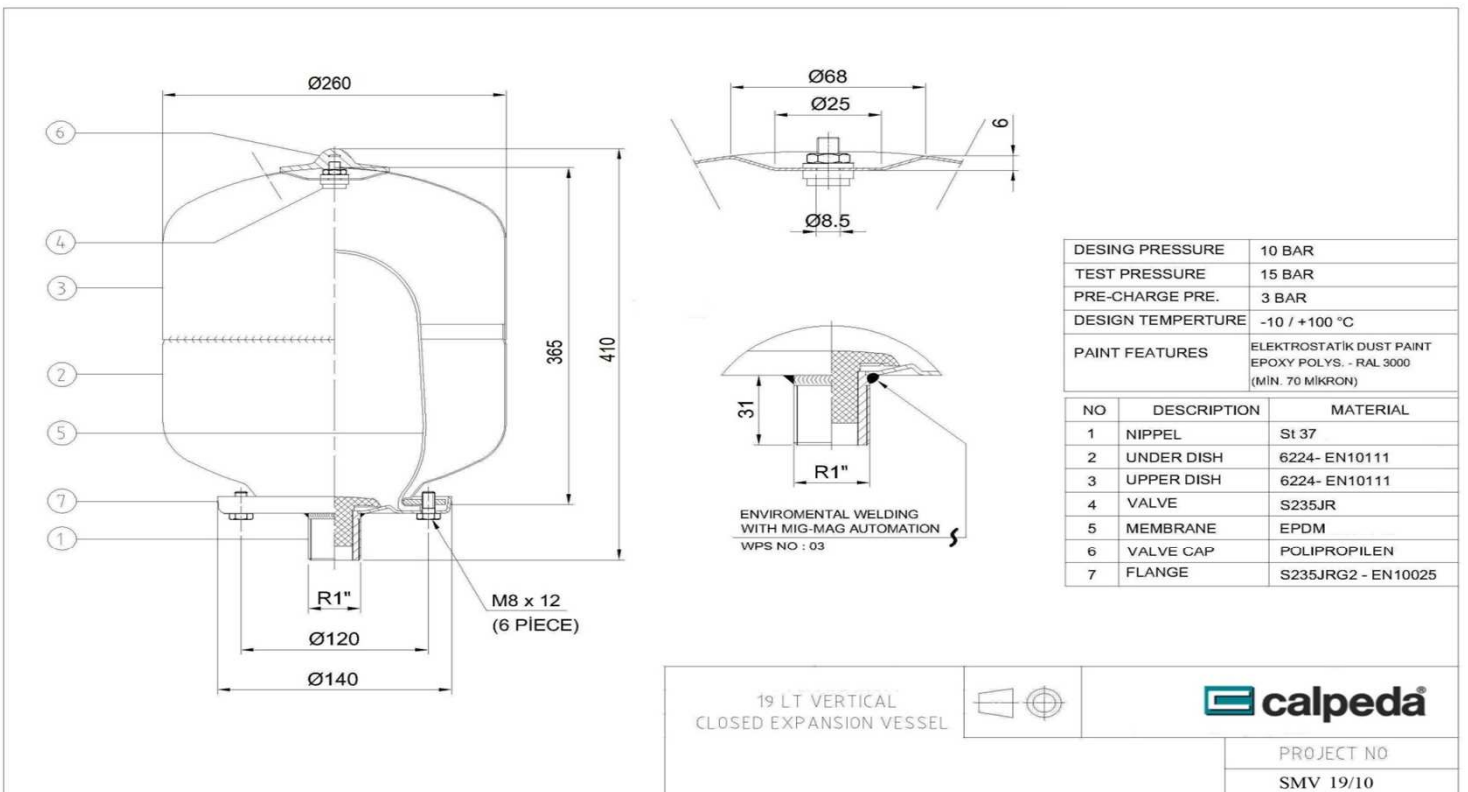
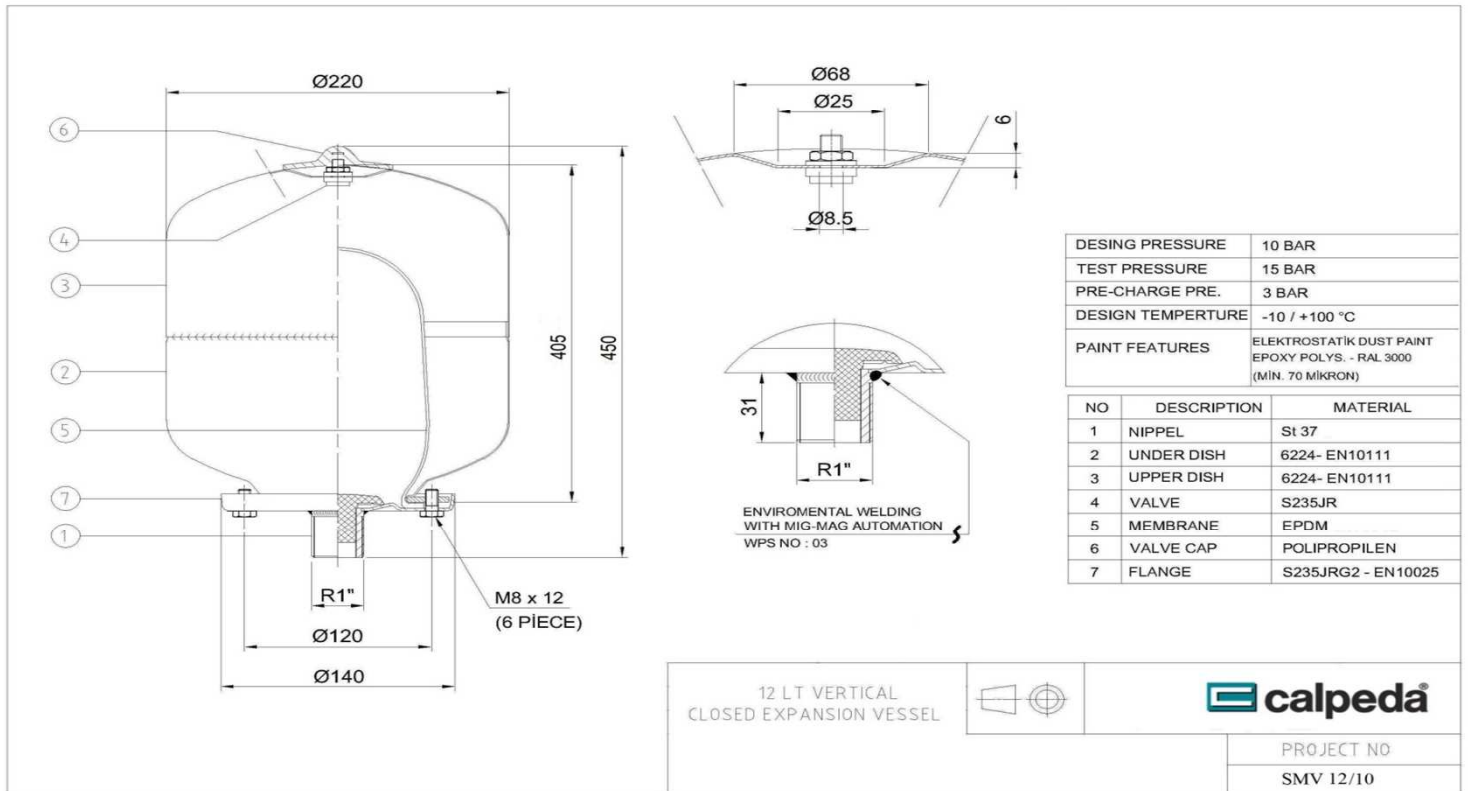
According to directive PED 97/23/CE

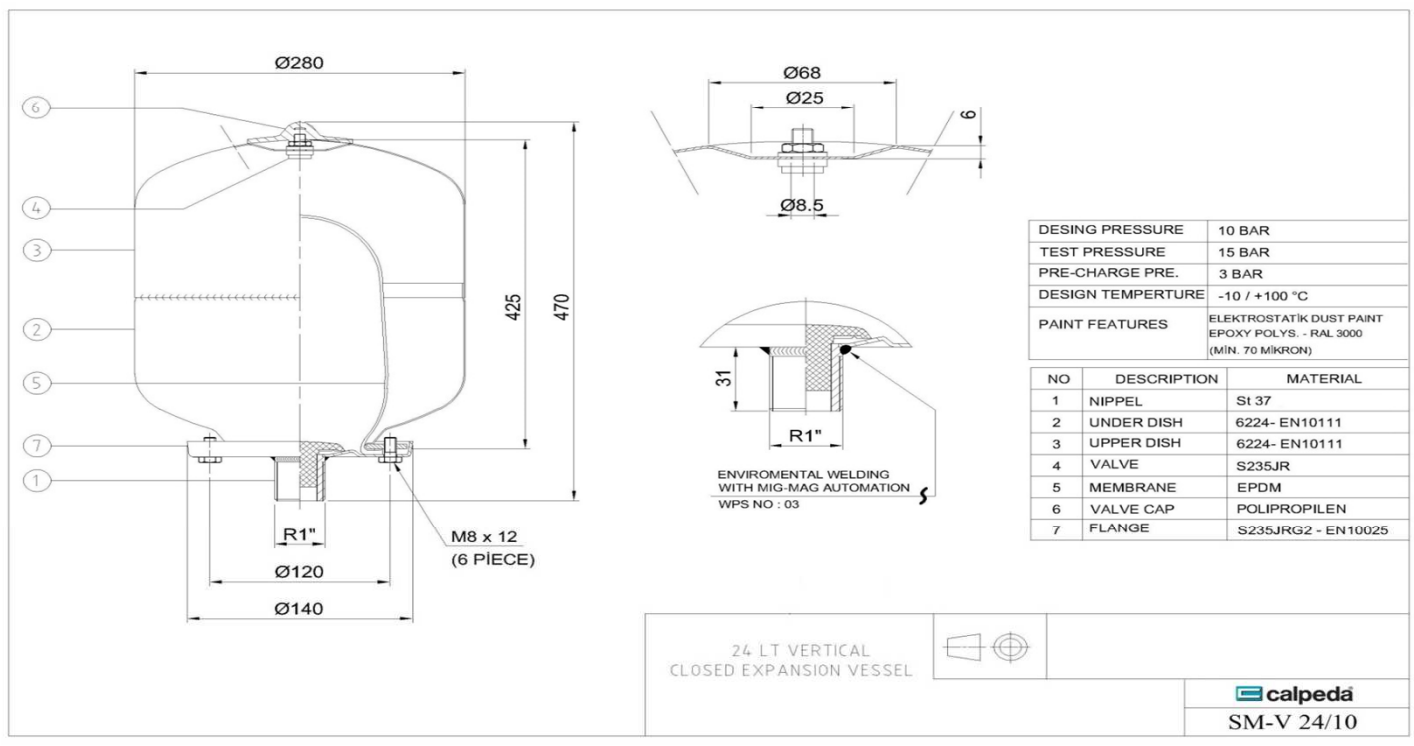
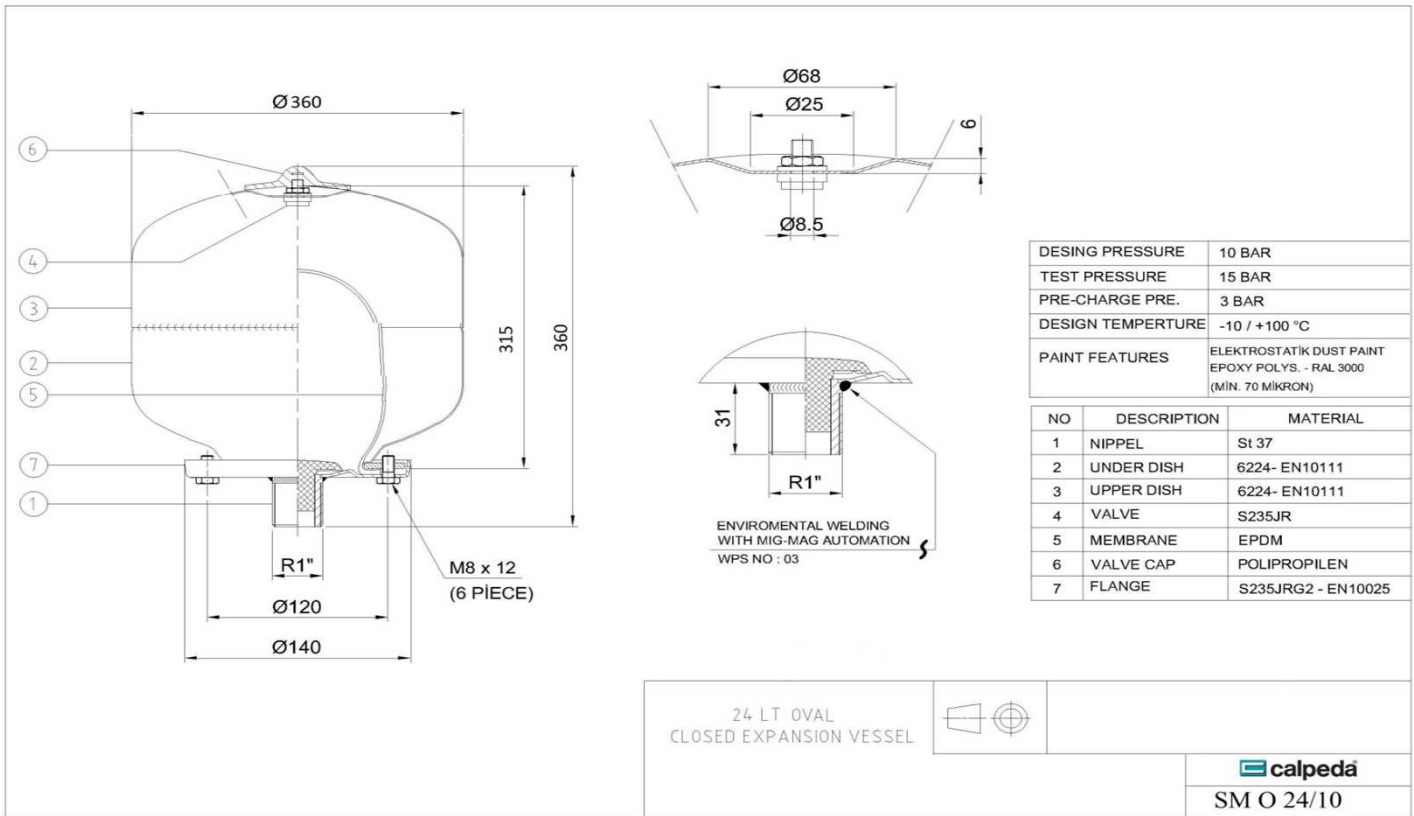
Replaceable EPDM Membrane

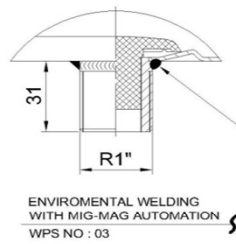
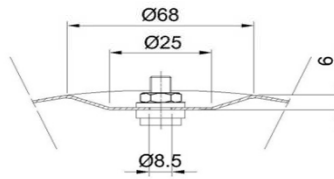
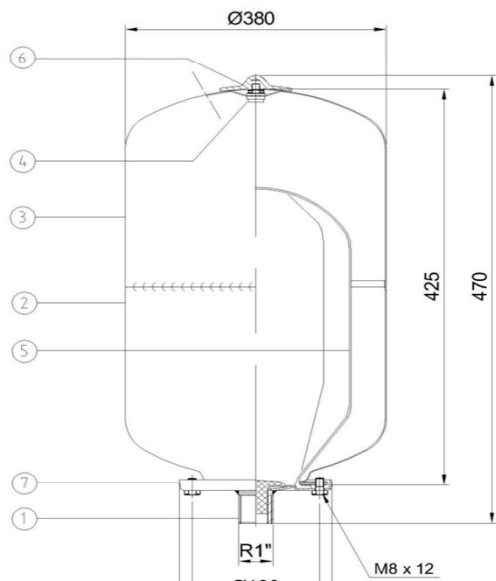
Operating Temperature = -10°C /+100°C

Tank Type	Model Name	Operating Pressure (bar)	Pre-Charged Pressure	Height (mm)	Diameter mm	Connection	Packing Size (mm)	
Vertical	SM-V 8/10	10	2	320	Ø220	1"	23*23*32	carton box
Vertical	SM-V 8/16	16	2	320	Ø220	1"	23*23*32	carton box
Vertical	SM-V 8/25	25	2	325	Ø220	1"	23*23*33	carton box
Vertical	SM-V 12/10	10	2	450	Ø220	1"	23*23*46	carton box
Vertical	SM-V 12/16	16	2	450	Ø220	1"	23*23*46	carton box
Vertical	SM-V 19/10	10	2	410	Ø260	1"	27*27*43	carton box
Vertical	SM-V 19/16	16	2	410	Ø260	1"	27*27*43	carton box
Oval	SM-O 24/10	10	2	325	Ø360	1"	36*36*33	carton box
Vertical	SM-V 24/10	10	2	470	Ø280	1"	28*28*47	carton box
Vertical	SM-V 24/16	16	2	470	Ø280	1"	28*28*47	carton box
Vertical	SM-V 24/25	25	2	470	Ø260	1"	26*26*47	carton box
Vertical	SM-V 35/10	10	2	470	Ø380	1"	38*38*47	carton box









ENVIROMENTAL WELDING
WITH MIG-MAG AUTOMATION
WPS NO : 03

DESIGN PRESSURE	10 BAR
TEST PRESSURE	15 BAR
PRE-CHARGE PRE.	3 BAR
DESIGN TEMPERATURE	-10 / +100 °C
PAINT FEATURES	ELEKTROSTATIK DUST PAINT EPOXY POLYS. - RAL 3000 (MIN. 70 MIKRON)

NO	DESCRIPTION	MATERIAL
1	NIPPEL	St 37
2	UNDER DISH	6224- EN10111
3	UPPER DISH	6224- EN10111
4	VALVE	S235JR
5	MEMBRANE	EPDM
6	VALVE CAP	POLIPROPILEN
7	FLANGE	S235JRG2 - EN10025

HORIZONTAL EXPANSION TANKS

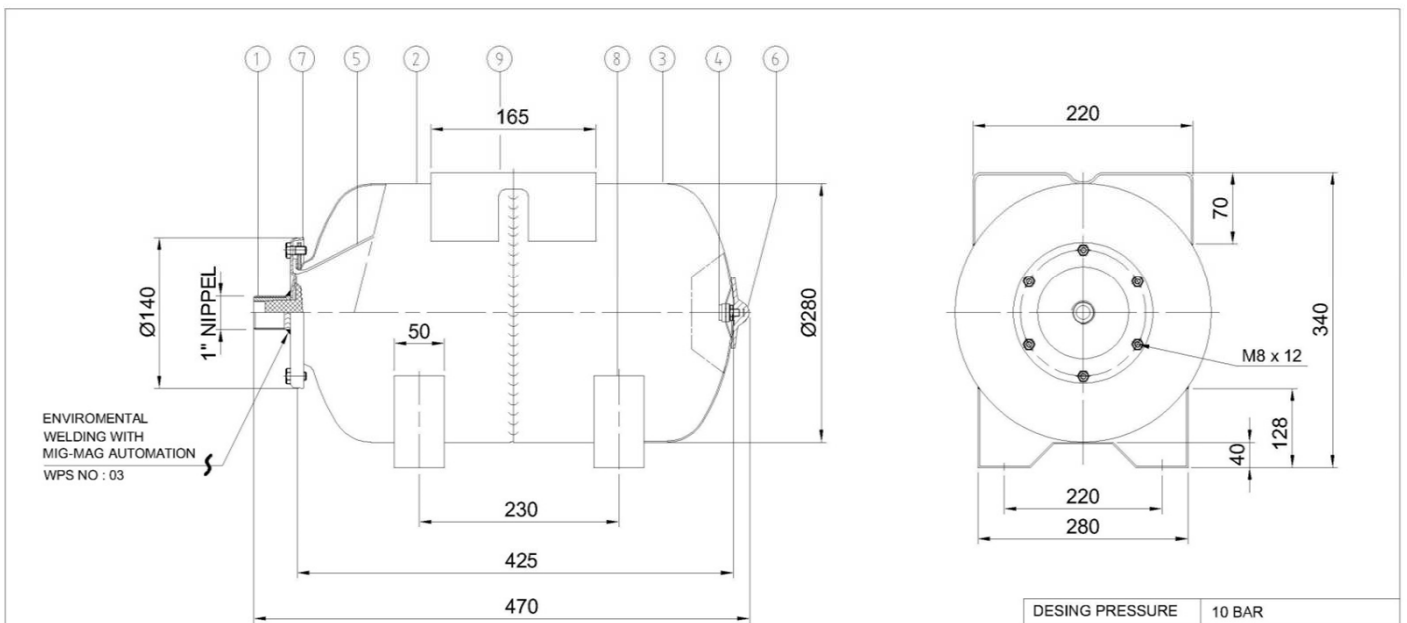
According to Directive PED 97/23/CE

Replaceable EPDM Membrane

Operating Temperature = -10°C /+100°C

Operating Pressure = 10 bar

Tank Type	Model Name	Pre-Charged Pressure	Height (mm)	Diameter (mm)	Connection	Packing Size (mm)	
Horizontal	SMH 24/10	2	470	280	1"	29*47*32	carton box
Horizontal	SMH-INOX 24/10	2	490	325	1"	38*62*43	carton box
Horizontal	SMH 50/10	4	620	380	1"	38*62*43	carton box
Horizontal	SMH 60/10	4	670	380	1"	38*67*43	carton box
Horizontal	SMH 80/10	4	720	430	1"	43*72*47	carton box
Horizontal	SMH 100/10	4	800	460	1"	46*80*54	carton box



NO	DESCRIPTION	MATERIAL
1	NIPPEL	St 37
2	UNDER DISH	6224- EN10111
3	UPPER DISH	6224- EN10111
4	VALVE	S235JR
5	MEMBRANE	EPDM
6	VALVE CAP	POLIPROPILEN
7	FLANGE	S235JRG2 - EN10025
8	FOOT	S235JRG2 - EN10025
9	BASE	S235JRG2 - EN10025

DESING PRESSURE	10 BAR
TEST PRESSURE	15 BAR
PRE-CHARGE PRE.	3 BAR
DESIGN TEMPERTURE	-10 / +100 °C
PAINT FEATURES	ELEKTROSTATIK DUST PAINT EPOXY POLYS. - RAL 3000 (MIN. 70 MIKRON)

24 LT HORIZONTAL
CLOSED EXPANSION VESSEL



 calpeda

SM-H 24/10

VERTICAL EXPANSION TANKS - 10 BAR

According to Directive PED 97/23/CE

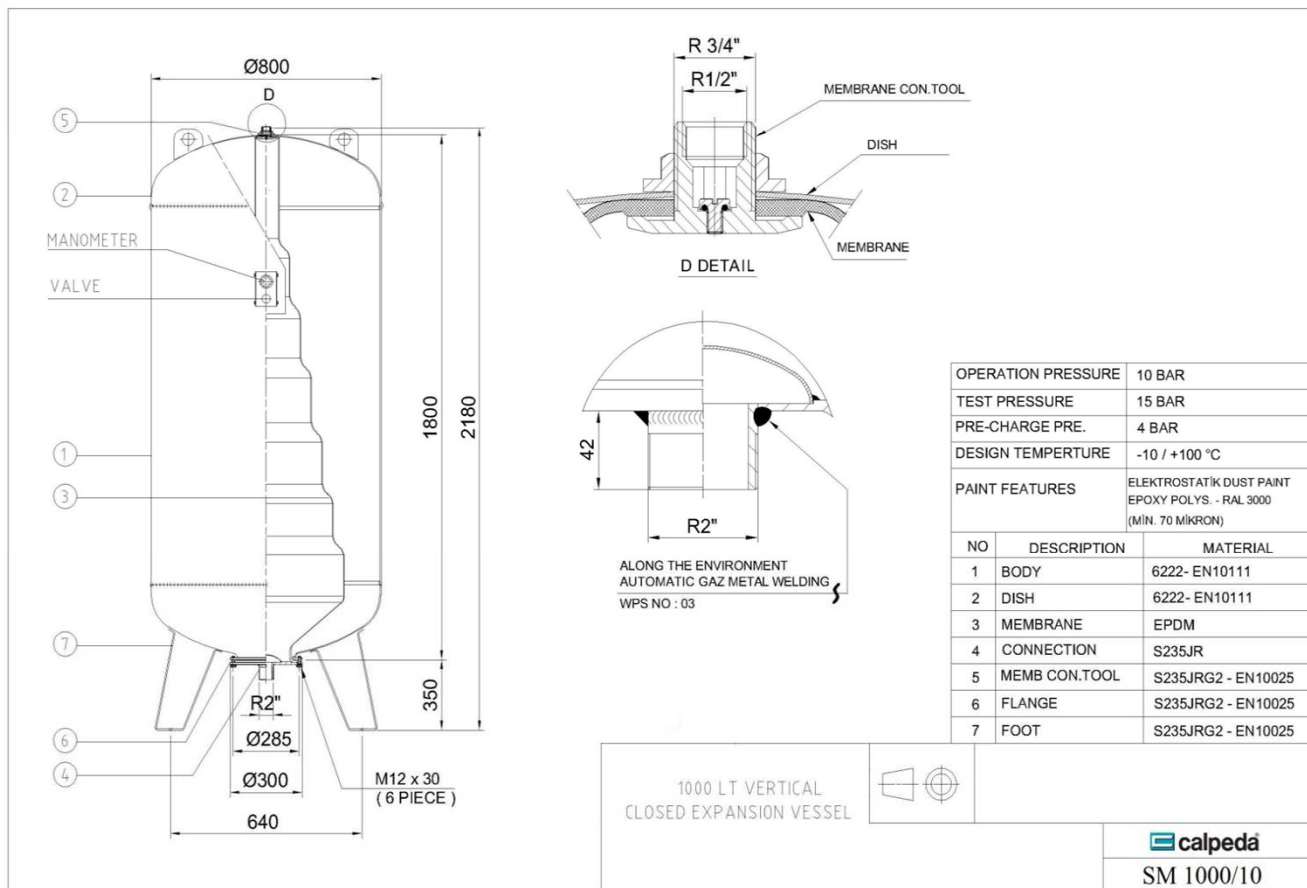
Replaceable EPDM Membrane

Operating Temperature = -10°C /+100°C

Operating Pressure = 10 bar

Precharged Pressure = 4 bar

Tank Type	Model Name	Pre-Charged Pressure	Height (mm)	Diameter (mm)	Connection	Packing Size (mm)	
Vertical	SM 50/10	4	750	380	1"	38*38*75	carton box
Vertical	SM 60/10	4	810	380	1"	38*38*82	carton box
Vertical	SM 80/10	4	960	430	1"	43*43*96	carton box
Vertical	SM 100/10	4	990	460	1"	46*46*99	carton box
Vertical	SM 200/10	4	1120	590	1 1/4"	55*55	pallet
Vertical	SM 300/10	4	1230	640	1 1/4"	59*59	pallet
Vertical	SM 500/10	4	1550	750	1 1/4"	69*69	pallet
Vertical	SM 750/10	4	1950	750	2"	69*69	pallet
Vertical	SM 1000/10	4	2180	800	2"	76*76	pallet
Vertical	SM 1500/10	4	2380	960	2"	90*90	pallet
Vertical	SM 2000/10	4	2520	1100	2"	100*100	pallet
Vertical	SM 3000/10	4	2800	1200	2 1/2"	110*110	pallet
Vertical	SM 4000/10	4	3100	1450	3"	100*200	pallet
Vertical	SM 5000/10	4	3720	1450	3"	100*200	pallet



VERTICAL EXPANSION TANKS - 16 BAR

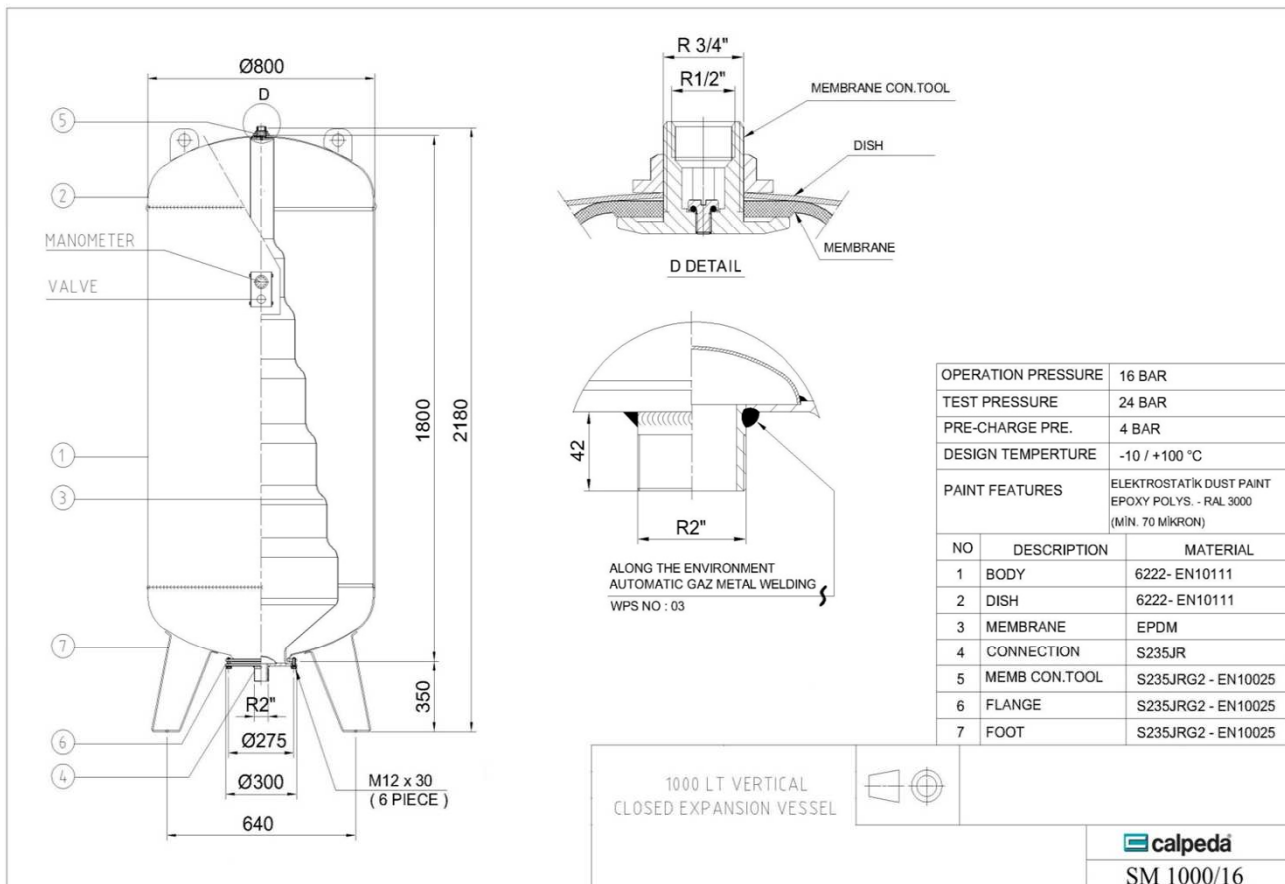
According to Directive PED 97/23/CE

Replaceable EPDM Membrane

Operating Temperature = -10°C /+100°C

Operating Pressure = 16 bar

Tank Type	Model Name	Pre-Charged Pressure	Height (mm)	Diameter (mm)	Connection	Packing Size (mm)	
Vertical	SM 50/16	4	750	380	1"	38*38*75	carton box
Vertical	SM 100/16	4	990	460	1"	46*46*99	carton box
Vertical	SM 200/16	4	1120	590	1 1/4"	55*55	pallet
Vertical	SM 300/16	4	1230	640	1 1/4"	59*59	pallet
Vertical	SM 500/16	4	1550	750	1 1/4"	69*69	pallet
Vertical	SM 750/16	4	1850	800	2"	69*69	pallet
Vertical	SM 1000/16	4	2180	800	2"	76*76	pallet
Vertical	SM 1500/16	4	2380	960	2"	90*90	pallet
Vertical	SM 2000/16	4	2520	1100	2"	100*100	pallet
Vertical	SM 3000/16	4	2800	1200	2 1/2"	110*110	pallet
Vertical	SM 4000/16	4	3100	1450	3"	100*200	pallet
Vertical	SM 5000/16	4	3720	1450	3"	100*200	pallet



VERTICAL EXPANSION TANKS - 25 BAR

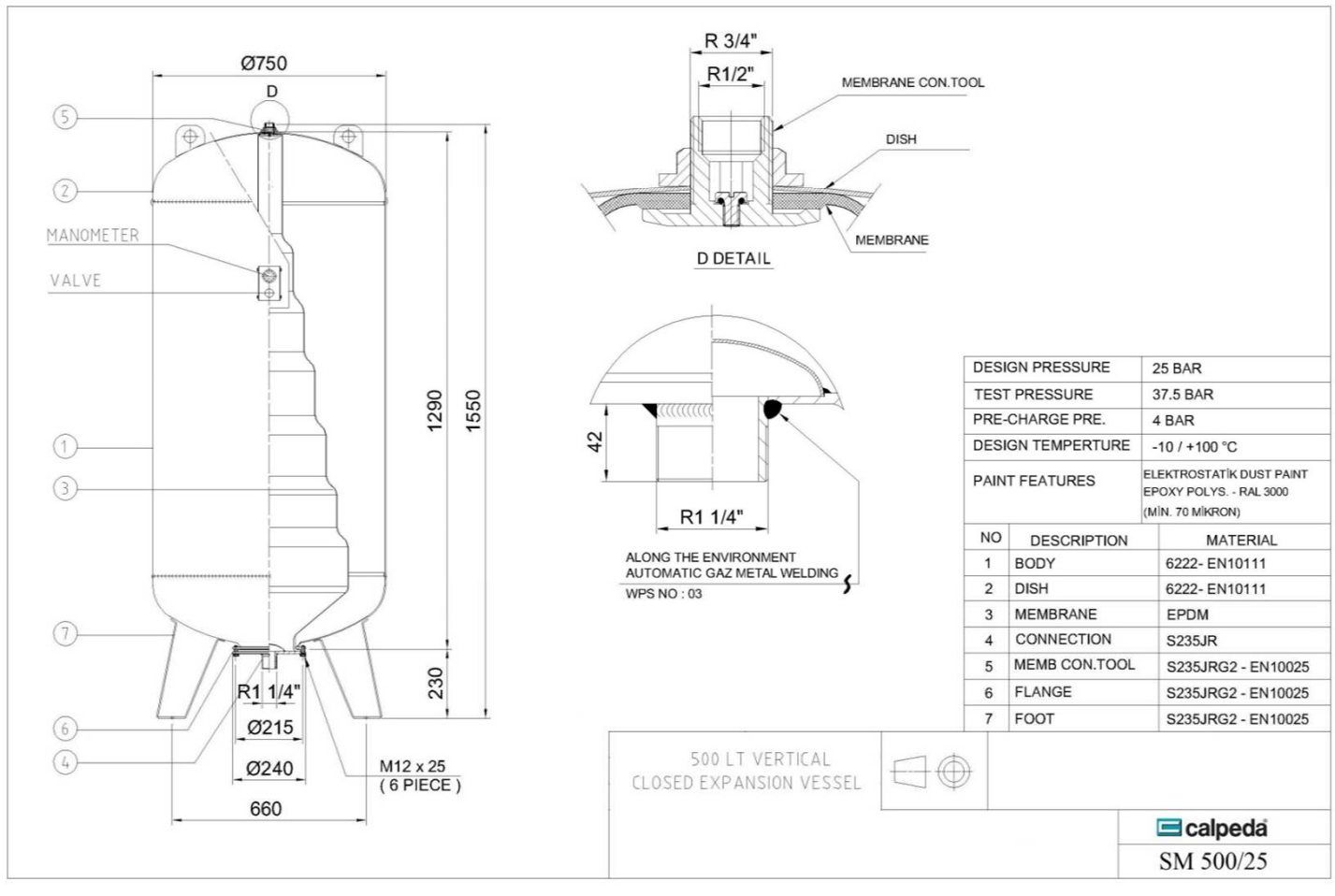
According to Directive PED 97/23/CE

Replaceable EPDM Membrane

Operating Temperature = -10°C /+100°C


Operating Pressure = 25 bar

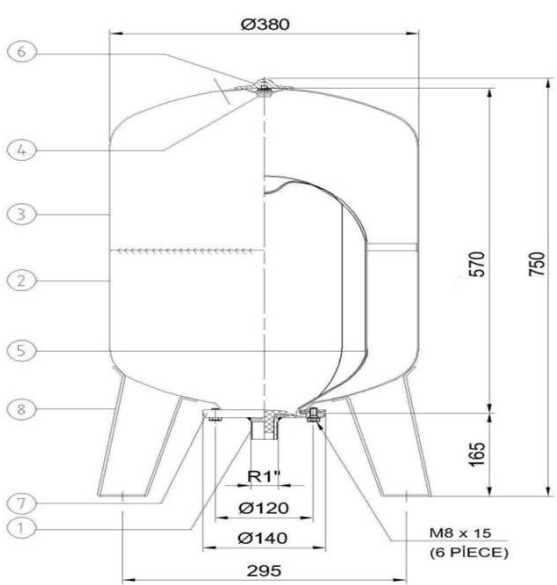
Tank Type	Model Name	Pre-Charged Pressure	Height (mm)	Diameter (mm)	Connection	Packing Size (mm)	
Vertical	SM 100/25	4	990	450	1"	46*46*99	carton box
Vertical	SM 200/25	4	1120	600	1 1/4"	55*55	pallet
Vertical	SM 300/25	4	1230	640	1 1/4"	59*59	pallet
Vertical	SM 500/25	4	1550	750	1 1/4"	69*69	pallet
Vertical	SM 750/25	4	1850	800	2"	69*69	pallet
Vertical	SM 1000/25	4	2180	800	2"	76*76	pallet
Vertical	SM 1500/25	4	2380	960	2"	90*90	pallet



VERTICAL EXPANSION TANKS - 10 BAR

According to Directive PED 97/23/CE
 Replaceable EPDM Membrane
 Operating Temperature = -10°C /+100°C
 Operating Pressure = 10 bar

Tank Type	Model Name	Pre-Charged Pressure	Height (mm)	Diameter (mm)	Connection	Packing Size (mm)		
Vertical	SMV 50/10-INOX CAP ON TOP	4	750	380	1"	38*38*75	carton box	
Vertical	SMV 50/10-INOX CAP ON BOTTOM	4	810	380	1"	38*38*82	carton box	




Technical drawing showing the front view and detail of the SMV 50/10-INOX CAP ON TOP tank. The main drawing shows a vertical cylindrical tank with a total height of 750 mm and a diameter of Ø380 mm. The main body height is 570 mm. The bottom section has a diameter of Ø120 mm and a total width of 295 mm. It features a valve assembly with a valve cap (6) and a flange (7). The bottom is supported by a foot (8). The drawing includes callouts 1 through 8 corresponding to the parts list. A detail shows the valve assembly with a diameter of 50 mm, a height of 20 mm, and a connection of Ø8.5. Another detail shows the bottom flange with a radius of R1" and a height of 31 mm. The text 'ENVIROMENTAL WELDING WITH MIG-MAG AUTOMATION WPS NO : 03' is present.

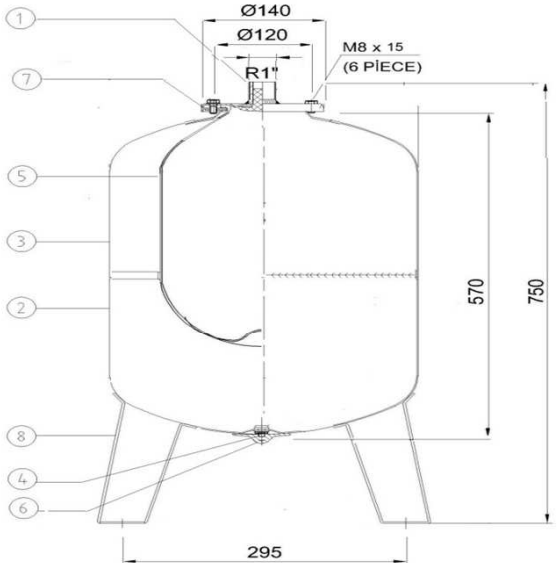
DESING PRESSURE	10 BAR
TEST PRESSURE	15 BAR
PRE-CHARGE PRE.	3 BAR
DESIGN TEMPERATURE	-10 / +100 °C

NO	DESCRIPTION	MATERIAL
1	NIPPEL	AISI 304
2	UNDER DISH	AISI 304
3	UPPER DISH	AISI 304
4	VALVE	BRASS
5	MEMBRANE	EPDM
6	VALVE CAP	POLIPROPILEN
7	FLANGE	AISI 304
8	FOOT	AISI 304

50 LT VERTICAL STAINLESS CLOSED EXPANSION VESSEL



PROJECT NO
SM-V 50/10




Technical drawing showing the front view and detail of the SMV 50/10-INOX CAP ON BOTTOM tank. The main drawing shows a vertical cylindrical tank with a total height of 750 mm and a diameter of Ø380 mm. The main body height is 570 mm. The top section has a diameter of Ø140 mm and a total width of 295 mm. It features a valve assembly with a valve cap (6) and a flange (7). The bottom is supported by a foot (8). The drawing includes callouts 1 through 8 corresponding to the parts list. A detail shows the valve assembly with a diameter of 50 mm, a height of 20 mm, and a connection of Ø8.5. Another detail shows the bottom flange with a radius of R1" and a height of 31 mm. The text 'ENVIROMENTAL WELDING WITH MIG-MAG AUTOMATION WPS NO : 03' is present.

DESING PRESSURE	10 BAR
TEST PRESSURE	15 BAR
PRE-CHARGE PRE.	3 BAR
DESIGN TEMPERATURE	-10 / +100 °C


NO	DESCRIPTION	MATERIAL
1	NIPPEL	AISI 304
2	UNDER DISH	AISI 304
3	UPPER DISH	AISI 304
4	VALVE	BRASS
5	MEMBRANE	EPDM
6	VALVE CAP	POLIPROPILEN
7	FLANGE	AISI 304
8	FOOT	AISI 304

50 LT VERTICAL STAINLESS CLOSED EXPANSION VESSEL




PROJECT NO
SM-V 50/10

REPLACEABLE MEMBRANES - EPDM

Rubber Material	Height (mm)	Usable For Models	With hole for tie beam	
EPDM	248	SM 24		
EPDM	315	SM 35 / SM 50		
EPDM	315	SM 60		
EPDM	700	SM 80 / SM 100	x	
EPDM	750	SM 150	x	
EPDM	800	SM 200	x	
EPDM	1000	SM 300	x	
EPDM	1400	SM 500	x	
EPDM	1600	SM 750	x	
EPDM	2000	SM 1000	x	
EPDM	2000	SM 1500	x	
EPDM	2000	SM 2000	x	
BUTYL	2515	SM 3000	x	
BUTYL	2680	SM 4000	x	
BUTYL	3440	SM 5000	x	

COUNTERFLANGE

Diameter	Connection	Finish	
140	1"	Galvanized	
140	1"	AISI304	