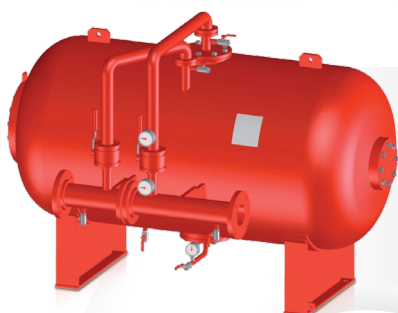




VERTICAL

PAGE 17



HORIZONTAL

PAGE 19



INDEPENDENT MIXING UNIT

PAGE 22



WALL-MOUNT BOX

PAGE 24

Bladder tanks work without requiring external energy for a foam agent pump since the foam agent, contained into a rubber bladder inside the tank, is put under pressure letting water under pressure from the main line enter the tank and surround the bladder.

A bladder tank can feed several different foam producing devices, all at the same time or just a single one, with a range in water capacity 1:6.

SDM offers a very complete range of bladder tanks, built in thousands of units and fully tested in hundreds of sites.

Our long experience in the construction of professional fire fighting equipment allows us to offer the highest quality on the market today, and what most matters, a reliable solution to all of your design problems.

**Basic features****Construction code**

CEE 97/23  
PED EN 13445-3  
ED 2002 issue 32

**Construction materials**

Tanks	P355NH EN 10028-3 / ASTM A 516 Gr 70
Pipes	ASTM A 106 Gr. B
Flanges	ASTM A 105
Cut-off ball valves	Carbon steel body, AISI 316 balls
Other valves	Nickel plated brass
Pressure gauges	Stainless steel body
Safety valve	Brass
Bladder	Hypalon / Neoprene
Coating	Epoxy paint, RAL 3000
Packing	On wooden pallet

**Quality features**

In addition to the high quality of all the materials used to build our tanks we also supply them with our specially made bladder, which has the collar for tank connection cast in one piece, so as to be able to hold internal pressure for long time without any fluid loss.

**On request specifications**

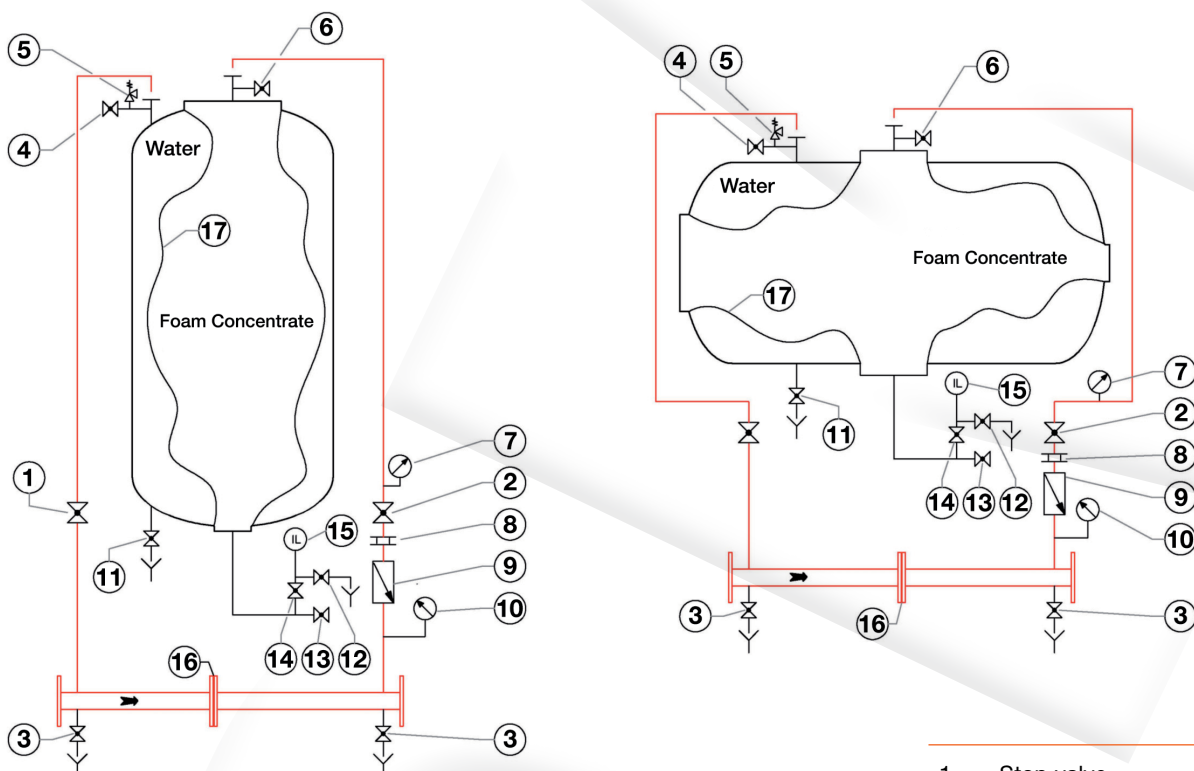
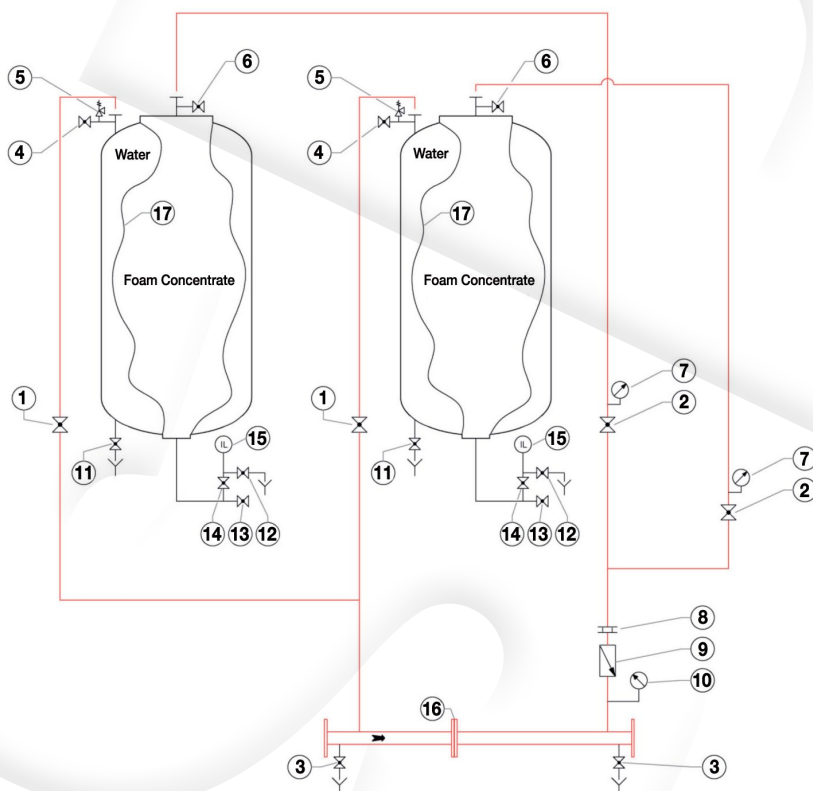
Construction according to ASME codes.  
Construction on customer specified pressure.  
Welding check through dye penetration or X-ray.  
Performance test on factory proving ground and manufacturer certificate.

**Documents delivered with our tanks**

Warranty certificate.  
Hydraulic pressure test certificate.  
Operation and service manual, including filling instructions (available in Italian, English, French).

**Documents available at our Offices**

All documents relating to products built according to the PED norms are available to any authorities at our Offices.

**FOAM MIXERS****Bladder tank functional scheme****Single bladder tank****Twin bladder tank**

- |     |  |
|-----|--|
| 1.  | Stop valve                                 |
| 2.  | Concentrate stop valve                     |
| 3.  | Drain valve, mixer                         |
| 4.  | Water vent valve                           |
| 5.  | Safety valve                               |
| 6.  | Vent valve                                 |
| 7.  | Pressure gauge                             |
| 8.  | Foam diaphragm                             |
| 9.  | Check valve                                |
| 10. | Pressure gauge, differential               |
| 11. | Drain valve, water                         |
| 12. | Drain valve, level gauge                   |
| 13. | Drain valve, concentrate (& filling valve) |
| 14. | Cut-off valve, level gauge                 |
| 15. | Level gauge                                |
| 16. | Water diaphragm                            |
| 17. | Bladder                                    |

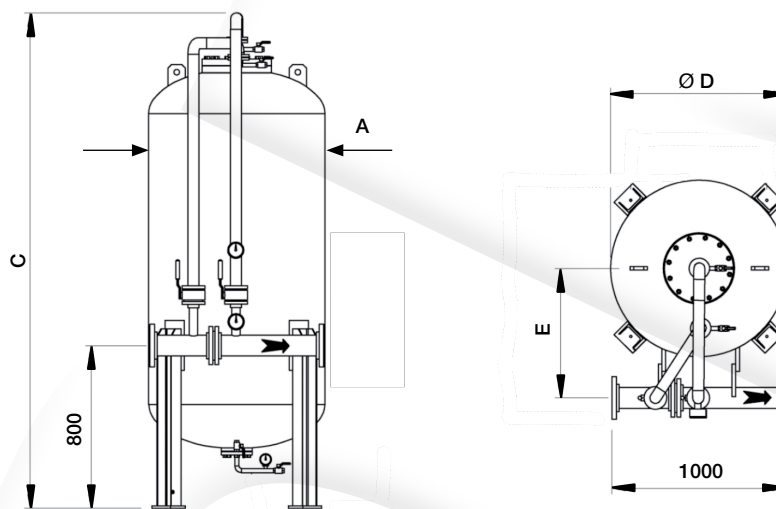
We can design and quote any size of twin bladder tanks according to customer specification.  
 Please ask our Offices or Distributors

Tanks shown in this page are fitted with a foam mixer, therefore the weight value shown include the weight for the mixer and the related piping.

See the materials specifications at page 15.

Detailed dimensions for the tank and fixing instructions on the ground are available at our offices.

### Vertical with foam mixer

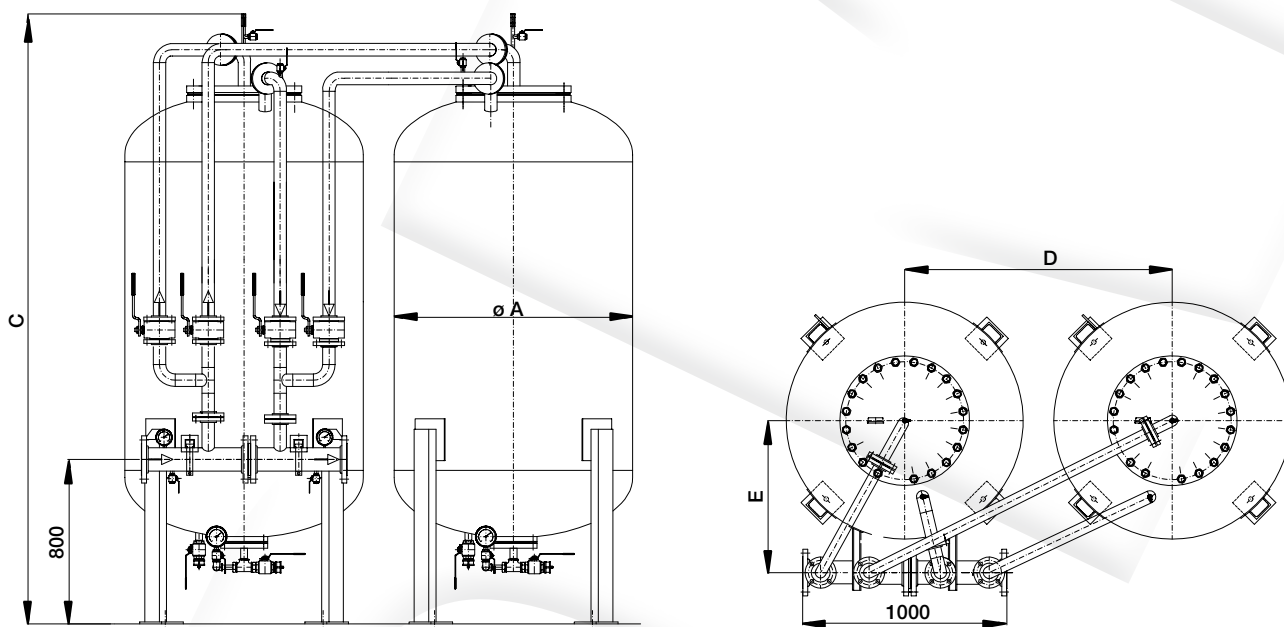


Code	A mm	C mm	E mm	Weight full kg	Capacity litres
URT A004 A2	650	2030	440	700	400
URT A006 A2	750	2176	650	1170	600
URT A010 A2	900	2246	750	1730	1000
URT A015 A2	1000	2926	750	2430	1500
URT A020 A2	1050	3300	800	3360	2000
URT A025 A2	1200	3800	800	4030	2500
URT A030 A2	1290	3430	860	4700	3000
URT A035 A2	1400	3930	900	5580	3500
URT A040 A2	1500	3530	950	6300	4000
URT A050 A2	1600	3606	1050	7660	5000
URT A060 A2	1800	3680	1150	9030	6000
URT A080 A2	2000	4008	1200	11700	8000

### Wide range capacity model

These tanks can be equipped with the Wide Range proportioner shown at page 23 to extend their operation range. Such models are identified adding a W at the end of the product code.

EG Standard type URT A080 A2 has a code URT A080 A2W when equipped with above said proportioner.

**Vertical, twin, with foam mixer**

Code	A mm	C mm	D mm	E mm	Working weight kg	Capacity litres
URT D004 A2	650	2176	1000	650	2350	2x 600
URT D006 A2	750	2246	1200	750	3470	2x 1000
URT D010 A2	900	2926	1200	750	4870	2x 1500
URT D015 A2	1000	3300	1300	800	6730	2x 2000
URT D020 A2	1050	3800	1340	800	8070	2x 2500
URT D025A2	1200	3430	1440	860	9410	2x 3000
URT D030 A2	1250	3930	1540	900	11170	2x 3500
URT D035 A2	1400	3530	1650	950	12610	2x 4000
URT D040 A2	1500	3606	1800	1050	15330	2x 5000
URT D050 A2	1600	3680	1950	1150	18070	2x 6000
URT D060 A2	1800	4008	2160	1200	23410	2x 8000

**Wide range capacity model**

These tanks can be equipped with the Wide Range proportioner shown at page 23 to extend their operation range. Such models are identified adding a W at the end of the product code.

EG Standard type URT D060 A2 has a code URT D060 A2W when equipped with above said proportioner.

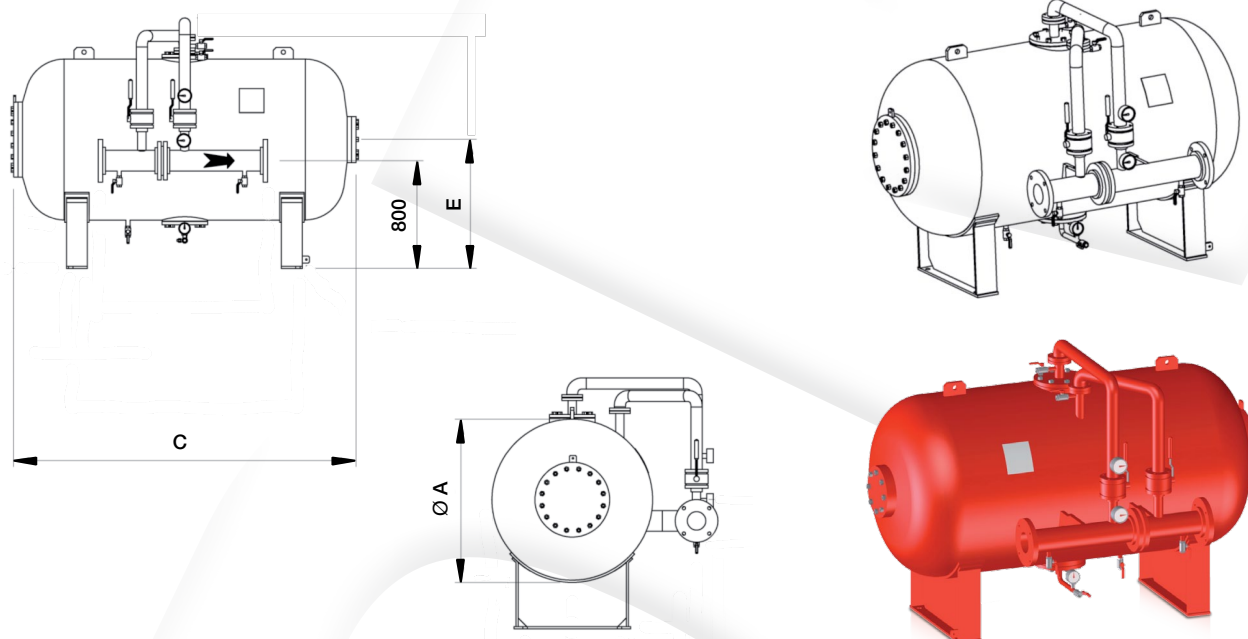


Tanks shown in this page are fitted with a foam mixer, therefore the weight value shown include the weight for the mixer and the related piping.

See the materials specifications at page 15.

Detailed dimensions for the tank and fixing instructions on the ground are available at our offices.

### Horizontal, with foam mixer



Code	A mm	C mm	E mm	Weight full kg	Capacity litres
URT C010 A2	900	1746	1000	1730	1000
URT C015 A2	1000	2426	1000	2430	1500
URT C020 A2	1050	2800	1035	3360	2000
URT C025 A2	1200	3100	1035	4030	2500
URT C030 A2	1250	2730	1125	4700	3000
URT C035 A2	1400	2320	1125	5580	3500
URT C040 A2	1500	3030	1225	6300	4000
URT C050 A2	1600	3106	1300	7660	5000
URT C060 A2	1800	3181	1375	9030	6000
URT C080 A2	2000	3308	1450	11700	8000
URT C100 A2	2000	3890	1450	13500	10000

### Wide range capacity model

These tanks can be equipped with the Wide Range proportioner shown at page 23 to extend their operation range. Such models are identified adding a W at the end of the product code.

EG Standard type URT C080 A2 has a code URT C080 A2W when equipped with above said proportioner.