

Extinguishing Agent Cylinder UL/FM

SFFECO Prime 227 (Drawn) 22L, 40L, 80L, 140L, and 180L

Approvals



- 1) Listed system covered by UL-file EX15997 (SFFECO Prime 227). Extinguishing agent cylinders must only be filled by refilling companies which are listed in UL-file EX15997.
- 2) Valve type B and B25 without UL / ULC approval
- 3) Part of the system approval

Maintenance

see technical description valve B0481 DN49 / B0482 DN33
part no. 887866

Pressure at 21 °C (70 °F)	Steel-cylinder ⁶⁾						Nominal volume l (lbs)	Part no.		Amount filled ⁴⁾			Empty weight approx. kg (lbs)
	UN/π	EAC	TC	DOT	ABS	LR		Valve type ⁵⁾		min. CE kg (lbs)	max.		
								A / A25	B / B25 (not UL / ULC)		CE / UL / ULC / FM	CE / UL / ULC / FM	
bar (psi)										kg (lbs)	kg (lbs)		
25 (360)	•	•	-	-	-	-	22.0 (55)	926210	926211	8.8 (19.5)	11 (24.3)	25.0 (55.2)	50 (110)
	•	•	-	-	-	-	40.0 (100)	926212	926213	16 (35.3)	20 (44.1)	45.6 (100.5)	59 (130)
	•	•	-	-	-	-	80.0 (200) ⁷⁾	926236	926237	32 (70.6)	40 (88.2)	91.2 (201.0)	104 (229)
	•	•	•	•	•	•	80.0 (200) ⁸⁾	926234	926235	32 (70.6)	40 (88.2)	91.2 (201.0)	99 (218)
	•	•	•	•	•	•	140.0 (350)	926238	926239	56 (123.5)	70 (154.4)	159.6 (351.8)	131 (289)
	•	•	•	•	•	•	180.0 (450)	926240	926241	72 (158.8)	90 (198.5)	205.2 (452.3)	179 (395)
42 (610)	•	•	-	-	-	-	22.0 (55)	926214	926215	8.8 (19.5)	11 (24.3)	25.0 (55.2)	50 (110)
	•	•	-	-	-	-	40.0 (100)	926216	926217	16 (35.3)	20 (44.1)	45.6 (100.5)	59 (130)
	•	•	-	-	-	-	80.0 (200) ⁷⁾	926244	926245	32 (70.6)	40 (88.2)	91.2 (201.0)	104 (229)
	•	•	•	•	•	•	80.0 (200) ⁸⁾	926242	926243	32 (70.6)	40 (88.2)	91.2 (201.0)	99 (218)
	•	•	•	•	•	•	140.0 (350)	926246	926247	56 (123.5)	70 (154.4)	159.6 (351.8)	131 (289)
	•	•	•	•	•	•	180.0 (450)	926248	926249	72 (158.8)	90 (198.5)	205.2 (452.3)	179 (395)
50 (725)	•	•	-	-	-	-	22.0 (55)	926218	926219	8.8 (19.5)	11 (24.3)	23.1 (50.9)	50 (110)
	•	•	-	-	-	-	40.0 (100)	926220	926221	16 (35.3)	20 (44.1)	42 (92.5)	59 (130)
	•	•	-	-	-	-	80.0 (200) ⁷⁾	926252	926253	32 (70.6)	40 (88.2)	84 (185.1)	104 (229)
	•	•	•	•	•	•	80.0 (200) ⁸⁾	926250	926251	32 (70.6)	40 (88.2)	84 (185.1)	99 (218)
	•	•	•	•	•	•	140.0 (350)	926254	926255	56 (123.5)	70 (154.4)	147 (324)	131 (289)
	•	•	•	•	•	•	180.0 (450)	926256	926257	72 (158.8)	90 (198.5)	189 (416.6)	179 (395)

4) Order informations

The order has to be specified with the filling quantity.
The extinguishing agent HFC-227ea part no. 889298
must be ordered additionally.

5) Valve type A / A25 (25 bar):

Valve B0482-A DN33 / B0481-A DN49
Valve B0482-A25 DN33 / B0481-A25 DN49 (for 25 bar)

Valve type B / B25 (25 bar):

(Valves with integrated electrical release)
Valve B0482-B DN33 / B0481-B DN49
Valve B0482-B25 DN33 / B0481-B25 DN49 (for 25 bar)

6) Approval with collective certificate by:

- UN/π, notified body according to European directive 2010/35/EU
- EAC, notified body according to techn. regulations TR ZU 032/2013
- UN, design of steel cylinder as UN Pressure Receptacles
- TC (Transport Canada)
- DOT (US Department of Transportation)
- ABS (American Bureau of Shipping)
- LR (Lloyd's Register)

⁷⁾ 80.0 l - Exting. agent cylinder with $\varnothing D = 267$ mm (10.51")

⁸⁾ 80.0 l - Exting. agent cylinder with $\varnothing D = 406$ mm (15.98")

Extinguishing Agent Cylinder UL/FM

SFFECO Prime 227 (Drawn) 22L, 40L, 80L, 140L, and 180L

Technical data

Extinguishing agentHFC-227ea

Min. fill ratio:

- CE0.4 kg/l (25.0 lbs/ft³)
- UL / ULC / FM0.5 kg/l (31.1 lbs/ft³)

Max. fill ratio, 25 bar / 42 bar (360 psi / 610 psi):

- CE / UL / ULC / FM1.14 kg/l (71.1 lbs/ft³)

Max. fill ratio, 50 bar (725 psi):

- CE / UL / ULC / FM1.05 kg/l (65.5 lbs/ft³)

Operating temperature range:

--20 °C to +50 °C (-4 °F to 122 °F)
- UL / ULC / FM-18 °C to +50 °C (0 °F to 122 °F)

Cylinder filledby a qualified filling centre

Filling reportwith order no. and cylinder no.

Transportsee safety data sheet

Valvessee cylinder valve

Technical data steel cylinder (blank):

Steel cylinder made in Chinaseamless (drawn)

Working pressuremax. 60 bar / 60 °C (870 psi / 140 °F)

FinishRAL3000 - flame red

(Note: colour, colour type are part of the UL / ULC approval)

Marking and stamping according to:

- UN/πacc. to directive 2010/35/EU, ISO 13769
- EAC ...Eurasian Economic Union and regulations TR ZU 032/2013
- UNUN Model Regulations
- TCTC regulations
- DOTDOT regulations
- ABSABS regulations
- LRLR regulations

Additional marking:

- Owner markingMF
- Owner no. (acc. to order)xxxxxxx
- Tare weightxxxxxxx

Not included in delivery

Adapter M12x1.5 - G1/8887644, see ad-on part cylinder

Contact pressure gaugesee monitoring device

Clamp for extinguishing agent cyl.see cylinder rack

Release devices for valve type A / A25 and B / B25:

Pneumatic, Pneumatic/Manual, Manual,

Tackle pneumatic/manual - marinesee ad-on part cylinder

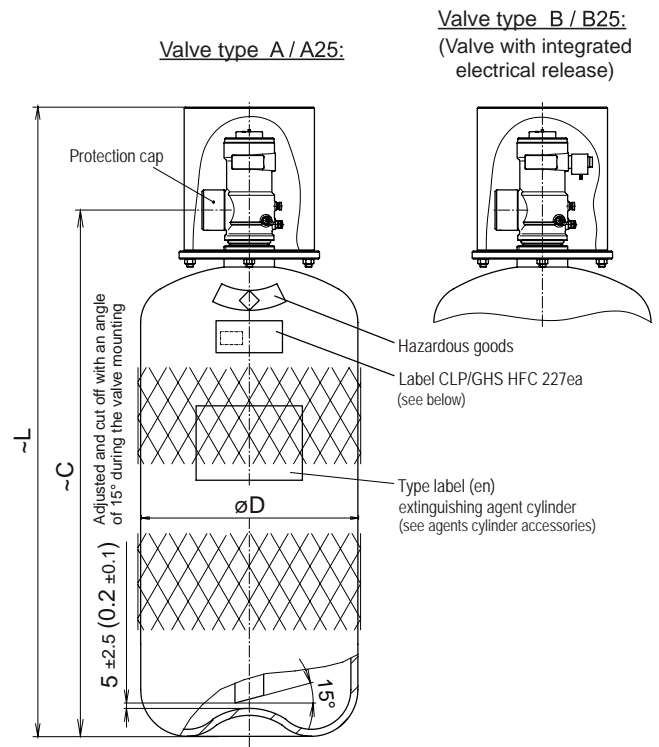
Release devices for valve type A / A25 only:

Electrical and

Electrical with mech. blocking devicesee ad-on part cylinder

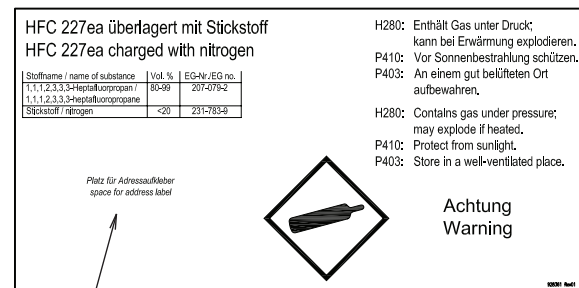
Dimension drawing

Dimensions in mm (inch)



Nominal volume	~L	~C	øD ±3 (±0.12)	Nominal diameter valve
22.0 l (60 lbs)	970 (38.19)	749 (29.49)	232 (9.13)	DN33
40.0 l (100 lbs)	1450 (57.09)	1229 (48.39)	232 (9.13)	
80.0 l (220 lbs)	2000 (78.74)	1797 (70.75)	267 (10.51)	
80.0 l (220 lbs)	1090 (42.91)	887 (34.92)	406 (15.98)	DN49
140.0 l (390 lbs)	1570 (61.81)	1367 (53.82)	406 (15.98)	
180.0 l (500 lbs)	1910 (75.20)	1707 (67.20)	406 (15.98)	

Label CLP/GHS HFC 227ea



Address label of the distributor (system manufacturer) according to order