

FIRE EXTINGUISHERS

(From fire reports)

T81, Control room

It is necessary to place 20 portable fire extinguishers (PFE) with 6kg ABC-E powder filling in the building, which is in accordance with STN 92 0202-1 and reg. of MV SR nb. 719/2002 of the Code. They shall be distributed as follows :

Control room

- r.n. 02-hall – 3 PFE

Switch room T81

- r.n. 01 – cable space – 4 PFE

- r.n. 02 – cable space – 3 PFE

- r.n. 01 – low tension switch room – 3 PFE

- r.n. 02 – middle tension switch room – 3 PFE

- r.n. 03 - condensers – 1 PFE

- r.n. 04 - transformers – 2 x 1 PFE

- r.n. 05 – accumulators – 1 PFE

FS N1.1 : $M_c = 1,2 \cdot (S \cdot p_1)^{1/2} = 1,2 \cdot (157,35 \cdot 1,4)^{1/2} = 17,8 \text{ kg} - 3 \text{ PFE}$

FS N01.1 : $M_c = 1,2 \cdot (S \cdot p_1)^{1/2} = 1,2 \cdot (299,37 \cdot 1,4)^{1/2} = 24,56 \text{ kg} - 7 \text{ PFE}$

FS N01.2/N2 : $M_c = 1,2 \cdot (S \cdot p_1)^{1/2} = 1,2 \cdot (295,1 \cdot 1,4)^{1/2} = 24,39 \text{ kg} - 6 \text{ PFE}$

FS N2.2 to N2.5 – in each FS 1 PFE in accord. with ch. 2 STN 92 0202-1 – 4 PFE

Plan of PFE meets requirements of § 89 of reg. of MV SR nb. 94/2004 of the Code and STN 92 0202-1. To place the PFEs it is necessary to follow provisions of MV SR nb. 719/2002 of the Code. It is solely financed by the investor.

T80

It is necessary to locate 16 portable fire extinguishers altogether (PFE) in the areas of the building-dry with 6 kg ABC-E powder discharge in accordance with the STN 92 0202-1 provisions and the MV SR regulation No. 719/2002 Coll. and namely in the following areas:

Distribution plant T80

- in room No. 001 – cable area – 4PHP

- in room No. 02 – low-voltage distribution room – 1 PHP

- in room No. 03 – distribution room – 2PHP

- in room No. 101 – low-voltage distribution room – 2PHP

- in room No. 04 to room No. 11 – in every room 1PHP – 7PHP

FS P1.1 : $M_c = 1,2 \cdot (S \cdot p_1)^{1/2} = 1,2 \cdot (202,7 \cdot 1,4)^{1/2} = 20,2 \text{ kg} - 4 \text{ PHP}$

FS N1.1/N2 : $M_c = 1,2 \cdot (S \cdot p_1)^{1/2} = 1,2 \cdot (361,06 \cdot 1,4)^{1/2} = 27 \text{ kg} - 5 \text{ PHP}$

FS N1.3 to N1.10 – in every FS 1 PHP in acc. with tab. 2 STN 92 0202-1 – 7 PHP

SO 002 Compressor Building

Suggested fire extinguishing instruments in accordance with Slovak Standard STN 92 0202-1

Coefficient p_1 of Fire Section : 0,15 Floor: 1 above the ground

Floor ground area: 393 m²

M_c : 9.2 kg M_{csk} : 12.00 kg

Type of fire extinguisher	Fire extinguish. filler weight [kg]	Number of fire exting.	M_{ci} [kg]
Powder	6.0	2	12.00

SO 001 Low temperature block

Suggested fire extinguishing instruments in accordance with Slovak Standard STN 92 0202-1

Coefficient p_1 of Fire Section : 1,4 Floor: 1 above the ground

Floor ground area: 101 m²

M_c : 14,3 kg M_{csk} : 18.00 kg

Type of fire extinguisher	Fire extinguish. filler weight [kg]	Number of fire exting.	M_{ci} [kg]
Powder	6.0	3	18.00