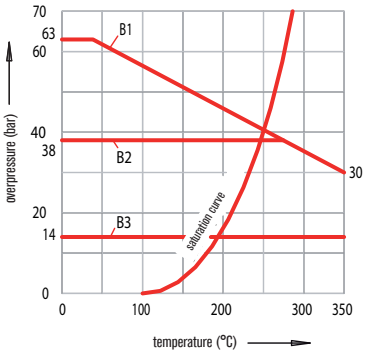
CHARGE DIAGRAMS OF PROTECTING TUBES



◀ LOADING CAPACITY OF PROTECTING TUBES FORM B

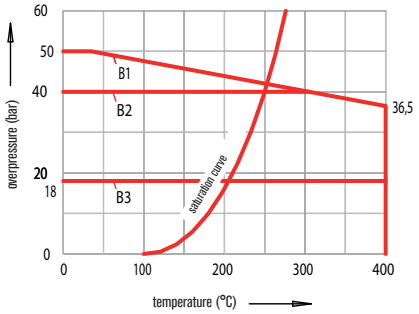
material: St 35.8
(mat. no. 1.0305)

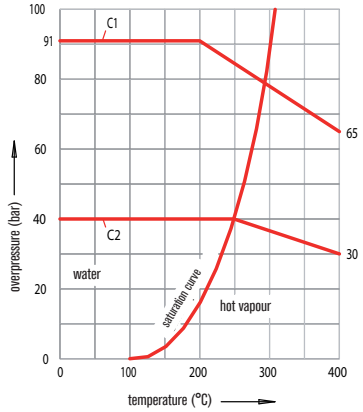
- allowed flow velocity
  for air and hot vapour: 25 m/s
  for water: 3 m/s
- allowed clamping torque of
  the screwed plug: 50 Nm

LOADING CAPACITY OF PROTECTING TUBES FORM B ▶

material: X 6 CrNiMoTi 17 122
(mat. no. 1.4571)
material: X 6 CrNiTi 1810
(mat. no. 1.4541)

- allowed flow velocity
  for air and hot vapour: 25 m/s
  for water: 3 m/s
- allowed clamping torque of
  the screwed plug: 50 Nm





◀ LOADING CAPACITY OF PROTECTING TUBES FORM C

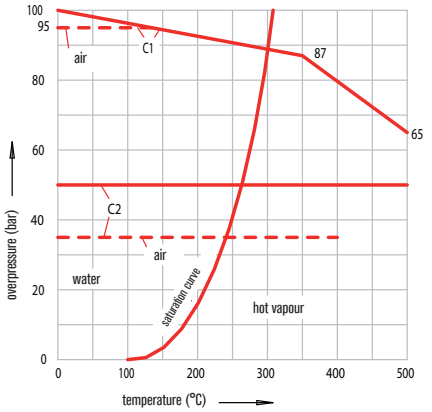
material: St 35.8
(mat. no. 1.0305)

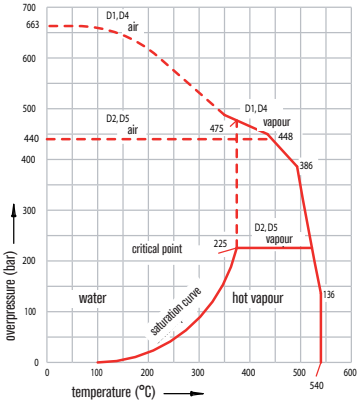
- allowed flow velocity
  for air and hot vapour: 40 m/s
  for water: 5 m/s
- allowed clamping torque of
  the screwed plug: 100 Nm

LOADING CAPACITY OF PROTECTING TUBES FORM C ▶

material: 13 CrMo 44
(mat. no. 1.7335)
material: X 6 CrNiMoTi 17 122
(mat. no. 1.4571)
material: X 6 CrNiTi 1810
(mat. no. 1.4541)

- allowed flow velocity
  for air and hot vapour: 40 m/s
  for water: 5 m/s
- allowed clamping torque of
  the screwed plug: 100 Nm
- temperature limits for mat. no. 1.4571
  and 1.4541: 400°C



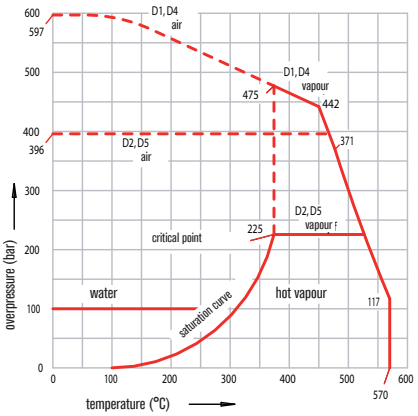


◀ LOADING CAPACITY OF PROTECTING TUBES FORM D

material: 13 CrMo 44
(mat. no. 1.7335)

- allowed flow velocity
  for air and hot vapour: 60 m/s
  for water: up to 450 bar and
  up to 5 m/s

CHARGE DIAGRAMS OF PROTECTING TUBES



◀ LOADING CAPACITY OF PROTECTING TUBES FORM D

material: 10 CrMo 910
(mat. no. 1.7380)

- allowed flow velocity
  for air and hot vapour: 60 m/s
  loading capacity in water:
  up to 450 bar and up to 5 m/s

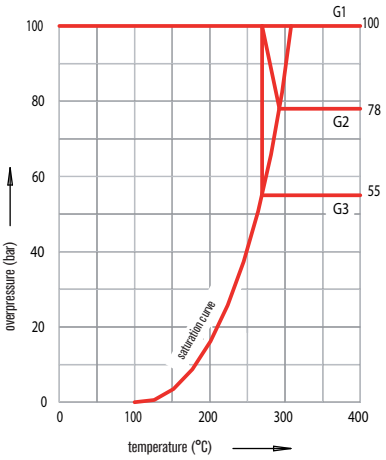
LOADING CAPACITY OF PROTECTING TUBES FORM G ▶

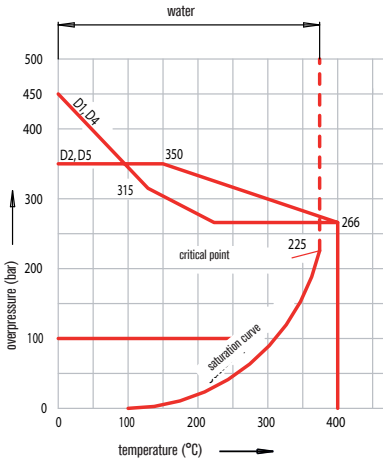
material: X 6 CrNiMoTi 17 122
(mat. no. 1.4571)
material: X 6 CrNiTi 1810
(mat. no. 1.4541)

- allowed flow velocity
  for hot vapour: 40 m/s
  for water: 5 m/s
  for air: bis 400 °C

form	10	20	30	40	m/s
G1	100	100	100	100	bar
G2	100	100	98	58	
G3	100	100	58	38	

*▪due to flange PN 40
For the use of flanges PN 100
the charge values of form E are valid.





◀ LOADING CAPACITY OF PROTECTING TUBES FORM D

material: X 6 CrNiMoTi 17 122
(mat. no. 1.4571)
material: X 6 CrNiTi 1810
(mat. no. 1.4541)

- protecting tubes D1 and D4:
  allowed flow velocity
  for air, water and hot vapour: 60 m/s
- protecting tubes D2 and D5:
  allowed flow velocity
  for air: up to 60 m/s
  for water and hot vapour: up to 30 m/s

LOADING CAPACITY OF PROTECTING TUBES FORM E+F ▶

material: X 6 CrNiMoTi 17 122
(mat. no. 1.4571)
material: X 6 CrNiTi 1810
(mat. no. 1.4541)

- allowed flow velocity
  for hot vapour: 40 m/s
  for water: 5 m/s
  for air: up to 400 °C

form	10	20	30	40	m/s
F1 (E1)	40*(100)	40*(100)	40*(68)	40*(42)	bar
F2 (E2)	40* (75)	40* (65)	40*(45)	25*(25)	
F3 (E3)	40* (58)	40* (45)	30*(30)	18*(18)	

*▪due to flange PN 40
For the use of flanges PN 100
the charge values of form E are valid.