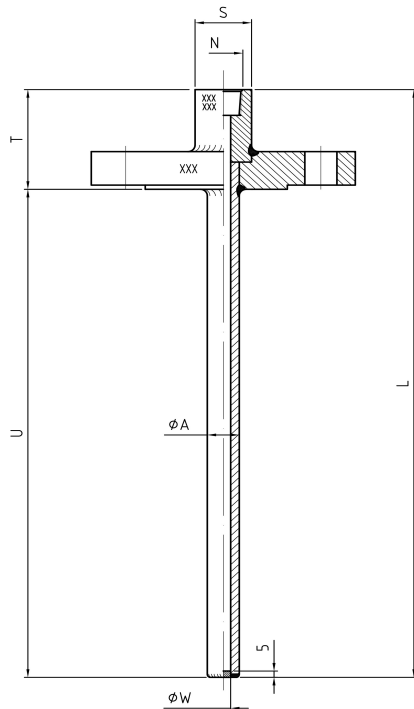




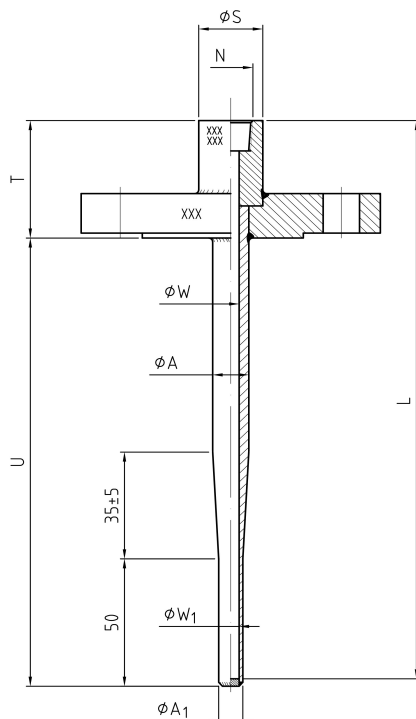
PROTECTION TUBES for thermometers and thermocouples

Protection tubes for thermometers and thermocouples are widely used for temperature measurements in food, chemical (type NAMUR - *Normen-Arbeitsgemeinschaft für Mess- und Regeltechnik in der Chemischen Industrie*) and heavy industry.

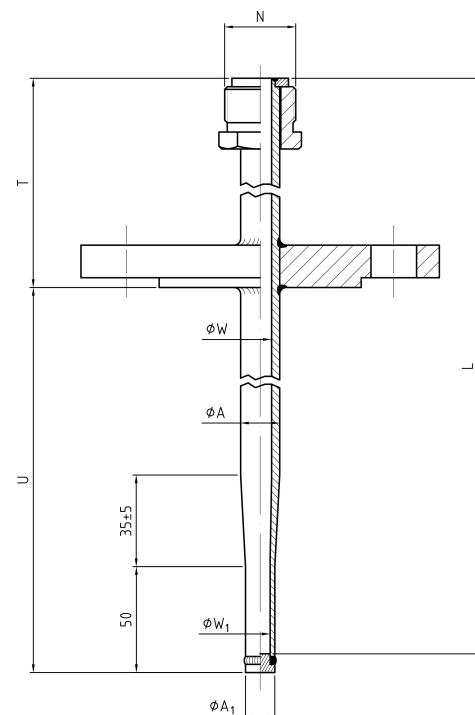
Protection tubes can be screwed or fixed using flange to the tag point. Depending on special requirements protection tubes are made of stainless steel 1.4571, 1.4841, Hastelloy C22 Alloy etc.



Type R/PF



Type R/PF/N1



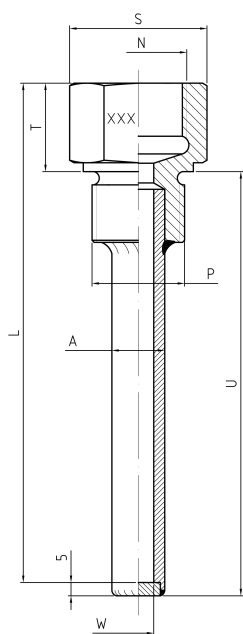
Type R/PF/N2

NOTE: Non-standard models available.

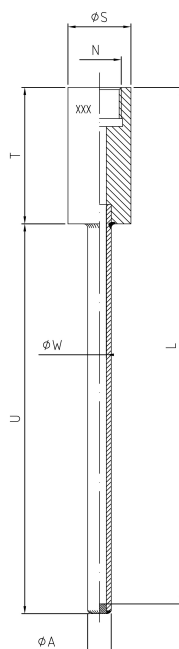
Ordering Information

TUB - A - B - C - D - E - F - G - H - I

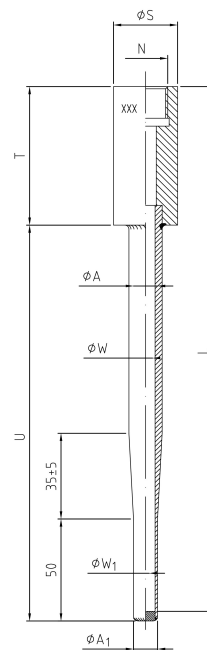
A. Protection tube type	A	
	Protection tube with flange NAMUR	R/PF/N1
	Protection tube with flange NAMUR	R/PF/N2
	Protection tube threaded NAMUR	R/PKG/N
	Protection tube in-weld NAMUR	R/SP/N
	Protection tube with flange	R/PF
	Protection tube threaded	R/PKG
	Protection tube in-weld	R/SP
B. Material	B	
	1.4571	1.4571
	1.4841	1.4841
	Hastelloy C22	C22
	Other	specify material nr
C. Process connection type (flange, thread P)	C	
	Type	specify type
D. Tube diameter outer A / inner W	D	
	12mm / 7mm	12 / 7
	15mm / 9mm	15 / 9
	18mm / 12mm	18 / 12
	13,7mm / 9,22mm (C22)	13,7 / 9,22
	Other	specify in mm
E. Instrument connection thread (inside) N	E	
	N	specify thread type
F. Immersion length U	F	
	U	specify in mm
G. Lagging length T	G	
	T	specify in mm
H. Diameter or hex S of lagging	H	
	S	specify in mm
I. Sensor immersion length L	I	
	L	specify in mm



type R/PKG



type R/SP



type R/SP/N

Ordering Example

TUB-R/PF-1.4571-DN25 PN40-18-12-M12x1-150-60-32-205

stands for: **Protection tube with flange, material 1.4571, flange DN25 PN40, tube diam. outer A=18mm, inner W=12mm, instrument thread (inside) M12x1,5, immersion length U=150mm, lagging length T=60mm, lagging diam. S=32mm, sensor immersion length L=205mm.**