







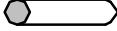

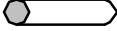


Project data	
Date	30.06.2014
File	жидкостная.dan
Project	ЖИДКОСТНАЯ
Information	

System data	
Refrigerant	R404A
Selected task	SERIES
Selected system	DRY
Selected pipeline	Liquid line with or without phase change
Design size	18.0 (17.2)
Design velocity	m/s 1.00

Operating data		
Evap.cap	kW	4.00
Line massflow	kg/h	806
Evap.temp	°C	-10.0
Evap.pres	bar	4.41
Cond.temp	°C	45.0
Cond.pres	bar	20.6
Superheating	K	10.0
Subcooling	K	5.00
Line multiplier		6.00
Calculated total pressure drop, max load	bar	0.215
Calculated total temperature drop, max load	K	0.452

Flow diagram					
					
Cu-TUBUP28...	BE-Cu-28-9...	Cu-TUBH28...	BE-Cu-28-9...	Cu-TUBH28...	BE-Cu-28-9...
					
Cu-TUBH28...	BE-Cu-28-9...	Cu-TUBH28...	BE-Cu-28-9...	Cu-TUBH28...	



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1. Component: Cu-TUBUP28-DIN Vertical pipe up		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
Pipe length	m	2.00
dp max. load	bar	0.191
dt max. load	K	0.400
Vel.max.load	m/s	0.473
2. Component: BE-Cu-28-90-DIN 90° Bend		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
dp max. load	bar	0.000251
dt max. load	K	0.000528
3. Component: Cu-TUBH28-DIN Horizontal pipe		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
Pipe length	m	8.50
dp max. load	bar	0.00643
dt max. load	K	0.0135
Vel.max.load	m/s	0.473
4. Component: BE-Cu-28-90-DIN 90° Bend		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
dp max. load	bar	0.000251
dt max. load	K	0.000528
5. Component: Cu-TUBH28-DIN Horizontal pipe		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
Pipe length	m	4.00
dp max. load	bar	0.00303
dt max. load	K	0.00637
Vel.max.load	m/s	0.473



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6. Component: BE-Cu-28-90-DIN 90° Bend		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
dp max. load	bar	0.000251
dt max. load	K	0.000528

7. Component: Cu-TUBH28-DIN Horizontal pipe		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
Pipe length	m	1.50
dp max. load	bar	0.00113
dt max. load	K	0.00239
Vel.max.load	m/s	0.473

8. Component: BE-Cu-28-90-DIN 90° Bend		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
dp max. load	bar	0.000251
dt max. load	K	0.000528

9. Component: Cu-TUBH28-DIN Horizontal pipe		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
Pipe length	m	2.00
dp max. load	bar	0.00151
dt max. load	K	0.00318
Vel.max.load	m/s	0.473

10. Component: BE-Cu-28-90-DIN 90° Bend		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
dp max. load	bar	0.000251
dt max. load	K	0.000529



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11. Component: Cu-TUBH28-DIN Horizontal pipe		
Nom.connection (mm)		DN28
Nom.connection (Inch)		1 1/8
Pipe length	m	15.0
dp max. load	bar	0.0113
dt max. load	K	0.0239
Vel.max.load	m/s	0.473