

FLYGT

SYSTEMS ENGINEERING

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CALCULATION: PRESSURE SYSTEM CALC.

PROGRAM: PSYC REV: 3.52

PROJECT: oskowo

DATE: 11-02-08 SIGN:....

COMMENTS:

FLYGT is responsible for the calculations only if equipment delivered by FLYGT is used and the data received by FLYGT is complete and correct. It is the customers responsibility to check the correctness of the input data.

TYPE	LENGTH M	DIAMET. MM	M LOSS -	ROUGHN. MM	LOSS H M	+ HGEO M	VELOCIT M/S	ACT FLOW M3/S	A HEAD M
M1	204.8	141.00	1.60	.2000	1.49	3.40	.897	.01400	.00
M2	140.4	141.00	.30	.2000	.99	-.50	.897	.01400	4.89
M3	327.8	141.00	.60	.2000	2.31	11.10	.897	.01400	5.38
M4	122.3	141.00	.30	.2000	.86	-2.40	.897	.01400	18.79
M5	171.1	141.00	.30	.2000	1.20	1.30	.897	.01400	17.25
M6	8.0	141.00	.00	.2000	.06	-.80	.897	.01400	19.75
B1									
T1	5.0	100.00	3.20	.2000	.72	2.00	1.783	.01400	19.01
P1	=(fix flow pump)					1.00		.01400	22.73

USED KINETIC VISCOSITY : .00000160 M2/S

NOTE THAT CALCULATION IS DONE WITH FIX FLOWS FROM EACH PUMP.

NOTE THAT CALCULATION ASSUMES THAT ALL PIPES ARE FILLED WITH WATER.

*** SYSTEM LAYOUT ***

M1<-M2<-M3<-M4<-M5<-M6<-B1
T1
P1 ->|