



Mokveld Valves bv

Calculation

Client : Lurgi Oel Gas Chemie
P.O. no. : 4553127 – 000 / 1.69666 / 136
End user : Zagros Petrochemical Company
P.O. no. :

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Prepared : CGUN
Checked : ADUI
Approved : ADs

<u>Mokveld serial no.</u>	<u>Location</u>
34986-001	MUG-20-20-001



CLIENT..... LURGI AG + PIDEK FOR ZPC
REFERENCE..... 4TH METHANOL PLANT / MEGAMETHANOL IRAN
VALVE TYPE..... TKZ-Y-0
FLANGE SIZE..... 16 [INCH]
PRESSURE RATING..... 900 (ANSI)
SPRING NUMBER..... 2
SPRING IDENTIFICATION..... F 808-577

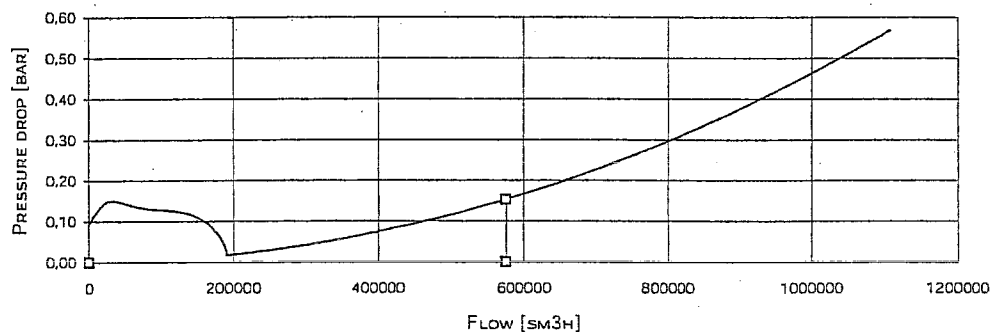
VALVE INTERNALLY COATED..... NO
MEDIUM..... MAKE UP GAS

PRESSURE..... 76,6 [BARA]
TEMPERATURE..... 147 [DEG C]
DENSITY..... 11,4 [MW]
COMPRESSIBILITY Z 1,038 [-]

VALVE PRESSURE LOSS COEFFICIENT..... 1,09 [-]
VALVE FULLY OPENED AT..... 191023 [SM3H]

	[NM3/H]	[SM3H]	DP [BARA]	v [M/S]
FLOW (1)	544.190	575154	0,15	33,9

Pressure drop curve



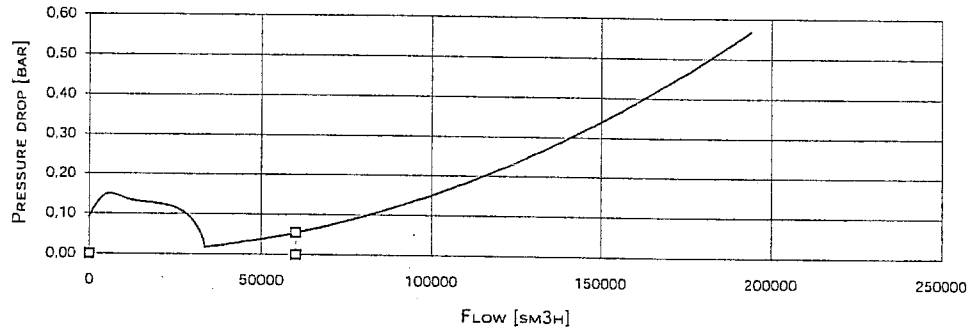
CLIENT.....LURGI AG + PIDEK FOR ZPC
REFERENCE.....4TH METHANOL PLANT / MEGAMETHANOL IRAN
VALVE TYPE.....TKZ-Y-0
FLANGE SIZE.....16 [INCH]
PRESSURE RATING.....900 (ANSI)
SPRING NUMBER.....2
SPRING IDENTIFICATION.....F 808-577

VALVE INTERNALLY COATED.....NO
MEDIUM.....MAKE UP GAS

PRESSURE.....6 [BARA]
TEMPERATURE.....180 [DEG C]
DENSITY.....28 [MW]
COMPRESSIBILITY Z.....1 [-]

VALVE PRESSURE LOSS COEFFICIENT.....1,09 [-]
VALVE FULLY OPENED AT.....33465 [SM3H]
FLOW (1) [NM3/H] [SM3H] DP[BARA] v [M/S]
56.770 60000 0,05 46,9

Pressure drop curve





Client.....Lurgi AG + PIDEDEC for ZPC
Reference.....4th Methanol Plant / Megamethanol Ira
Valve type.....TKZ-Y-0
Flange size.....16 [inch]
Pressure rating.....900 (ANSI)
Spring number.....2
Spring identification.....F 808-577

Valve internally coated.....no
Medium..... Make Up Gas

Pressure..... 82,8 [bara]
Temperature..... 157 [deg C]
Density..... 11,4 [MW]
Compressibility Z 1,041 [-]

Valve pressure loss coefficient..... 1,09 [-]
Valve fully opened at..... 195998 [sm3h]
[Nm3/h] [sm3h] dP[bara] v [m/s]
flow (1) 571,483 604000 0,160 33,79

Pressure drop curve

