

eustream, a.s.



Cross-Connecting VTL Gas Pipeline Poland – Slovakia

**MTO_Guľové ventily nad DN300-EN
(Ball Valves)**

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Revision

4	25.09.2018	APV-modification of name document and splitting of the valves - plug and ball valves	Team	P. Pěník	V. Foltín
3	14.09.2018	APV	Team	P. Pěník	V. Foltín
2	23.08.2018	APV	Team	P. Pěník	V. Foltín
1	13.08.2018	APV	Team	P. Pěník	V. Foltín
0	31.07.2018	IFA - Na schválenie	Team	P. Pěník	V. Foltín
Rev.	Date	Issued, Modification	Prepared	Checked	Approved

Content Contributed by

Company		Remarks
ILF Beratende Ingenieure GmbH		
GasOil Technology a. s.		

It.Nr.	TAG Nr.	DN	PN (Pressure Nominal)	Typ of valve	Typ of actuator	Actuator requirements	Fail - safe (FS)	Valve instalation	Design temperature min. - max. (°C)	Design pressure (Max operating DP (MPa)	Connection to piping	Connection pipe - dimesion (mm) and material	Datasheet	Note
	CS													
1	4_2_L	900	80	Ball valve	HPO	SCS/ESD/ SIL2 required	FC	underground with support	-29 to 59	7.35	welded	914,4 x 20 L415ME	Datasheet Nr. 0002 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Discharge (downstream) from CS01 to PL <i>Dĺžka nadstavca pre potreby ponuky 2,5m - bude spresnené pri objednaní.</i> Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
2	4_3_L	900	80	Ball valve	HPO	SCS/ESD/ SIL2 required	FC	underground with support	-29 to 59	7.35	welded	914,4 x 20 L415ME	Datasheet Nr. 0002 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Suction (upstream) CS01 from PL <i>Dĺžka nadstavca pre potreby ponuky 2,5m - bude spresnené pri objednaní.</i> Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
3	4_4_L	900	80	Ball valve	HPO	SCS/ESD/ SIL2 required	FC	underground with support	-29 to 59	22.08.2018	welded	914,4 x 20 L415ME	Datasheet Nr. 0002 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Spliting of suction collector PL from main suction collector of CS01 <i>Dĺžka nadstavca pre potreby ponuky 2,5m - bude spresnené pri objednaní.</i> Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
4	7_8_L	700	80	Ball valve	HPO	SCS/ESD/ SIL2 required	FC	above ground	-29 to 59	7.35	welded	711,2 x 16 L415ME	Datasheet Nr. 0003 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Spliting of suction collector PL from discharge R hall 01 Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
5	7_10_L	700	80	Ball valve	HPO	SCS/ESD/ SIL2 required	FC	above ground	-29 to 59	7.35	welded	711,2 x 16 L415ME	Datasheet Nr. 0003 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Spliting of suction collector PL from discharge R halls 02 Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
6	7_12_L	700	80	Ball valve	HPO	SCS	No	above ground	-29 to 59	7.35	welded	711,2 x 16 L415ME	Datasheet Nr. 0003 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Discharge CS01 to TP II Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
7	7_11_FK	700	80	Ball valve	electric	SCS	No	above ground	-29 to 59	7.35	welded	711,2 x 16 L415ME	Datasheet Nr. 0005 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Input to filter F1-PL Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
8	7_12_FK	700	80	Ball valve	electric	SCS	No	above ground	-29 to 59	7.35	welded	711,2 x 16 L415ME	Datasheet Nr. 0005 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Input to filter F1-PL Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
9	7_21_FK	700	80	Ball valve	Hand operated	local	No	above ground	-29 to 59	7.35	welded	711,2 x 16 L415ME	Datasheet Nr. 0009 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN"	Discharge from filter F1-PL

It.Nr.	TAG Nr.	DN	PN (Pressure Nominal)	Typ of valve	Typ of actuator	Actuator requirements	Fail - safe (FS)	Valve instalation	Design temperature min. - max. (°C)	Design pressure (Max operating) DP (MPa)	Connection to piping	Connection pipe - dimesion (mm) and material	Datasheet	Note
10	7_22_FK	700	80	Ball valve	Hand operated	local	No	above ground	-29 to 59	7.35	welded	711,2 x 16 L415ME	Datasheet Nr. 0009 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN"	Discharge from filter F2-PL
11	10_1_L	400	80	Ball valve	HPO	SCS/ESD/ SIL2 required H - Pilot 5,5 MPa	FC	above ground	-29 to 59	7.35	welded	406,4 x 11 L360ME	Datasheet Nr. 0004 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	In bypass of 4_4_L Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
12	10_2_L	400	80	Ball valve	electric	local from junction box	No	above ground	-29 to 59	7.35	welded	406,4 x 11 L360ME	Datasheet Nr. 0006 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	In bypass of 4_4_L Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
13	11_1_HK	300	80	Ball valve	electric	local from junction box	No	above ground	-29 to 59	7.35	welded	323,9 x 8,8 L360NE	Datasheet Nr. 0008 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Depressurization Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4
14	11_2_HK	300	80	Ball valve	electric	local from junction box	No	above ground	-29 to 59	7.35	welded	323,9 x 8,8 L360NE	Datasheet Nr. 0008 in "J171-GOT-KSN-PC-DAT-SK-0001-0-IFA-Dátový list-Uzatvaracie ventily nad DN300-EN" For actuator - eustream int. specification "TA_W_29_02_15"	Depressurization Corrosion protection of actuator - refer to STN EN ISO 12944 and TDP TA_W_29_02_15. Requirement on actuator protection - II 2G EEx edm IIB T4