ng englineering Lurgi

## SAMSON AG On/Off-Valves MECHANICAL CATALOGUE



## VALVE SPECIFICATION SHEETS

	T.		The second secon	***************************************	_			energy still graph ( the fell almost represent graph graph	*****************************
V12/sro	2004-09-01	V12/lf	V12/di	2004-09-10			FIRST ISSUE / FINAL I	SSUE	
Name	Date	Name	Name	Date	Status			THE PROPERTY OF THE PARTY OF TH	
Prepared	d, revised	Checked	A	pproved			Remark, kind of revis	ion	
	P	Contractor ETROCHEMICA	•	- S		Owner Project No:	Contractor Order No:	Q.L.	DCC
	NAME OF TAXABLE PARTY.	ESIGN & EN				232000	1182-POR-IN-644	-	
	FPIDEC F	سے صنایع ہتروشیمی				samson	Vendor Order Ref.		
		3 · 23 · C. G	(36)				616 200		
mg engineer	<b>ත්</b> ගලා	Proj	ect Name			Lurgi Doc. No.	Vendor Doc. No.	Sheet / of	Revision
Lu	<i>irgi</i> 2nd	d ZAGROS M	WETHANOL	PLANT			SAM-110	1/9	00

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Kommission Index	Auftragsposition	ltem	Unit	Revision Alternative		Тад	Qty	Style	Туре	NO	Flange form/ connection	ANSI Class	Body material	Plug / seat material	bonnet	Packing	Pressure balance	Sealing protection	sealing	leakage characteristic		Noise source	Sound pressure level		now un ectorial material functional certificate	Free of oil and greace for O2 w. 3.18 certificate	Actuator type	size cm2	stroke	spring range	Fail safe position	Air supply min. bar g.	Handwheel	cal st	Booster 8523-0084 Booster 8523-0046	X=Quick-exh. Valve 8502-0144 R=Quick-exh. Valve Type Ross	Lock-up relais 3709-1	HART-Positioner 3780-100 Gauges IP65	HART-Positioner w. limit switches 3780-120 Gauges IP65	FF-Positioner 3787-100 Gauges IP65
01	08	01	100-01	0 1	L	JV100101	1	BV	BR76	3"	RF- SF	600	A105	A351 CF8M	std	Р	-		n '	V on/				Fī	TO 3.1E	3 -	BR31a SRP	3000	90°	4	FC	4	-	-	x	×	-	-	-	
02	01	02	100-02	0 1	l	JV100417	1	BF	LTR43	12"	LRF- SF	600	A105	316L	IT	G	-		e \	VI On/	<sup>0</sup> 251	15		F	TO 3.1E	-	GP- 100S	-535/C1	90°	4	FC	4	-	-		R	<u> </u>	-	-	-
00	06	03	100-03	0 1	L	JV100418	1	SS	3251	1"	RF- SF	600	A216 WCB	316Ti	ΙT	G	-		e \	√l lir		2		F	O 3.1E	3 -	3277	350	15	0,21	FO	4	-	-				-	-	-
01	01	04	100-04	0 1	L	JV100501	1	BF	BR10z	12"	LRF- SF	150	A216 WCB/ EPDM	316L	std	Р	-	\	<b>"</b>	√I on/	300	30		FT	C 3.1E	-	BR31a SRP	3000	90°	4	FC	4	-	-	x		-	-	-	-
01	01	05	100-05	0 1	L	JV100502	1	BF	BR10z	12"	LRF- SF	150	A216 WCB/ EPDM	316L	std	Р	-	١	w \	/I on/	388	80		FT	C 3.1E	-	BR31a SRP	3000	90°	4	FC	4	-	-	х		-	-		-
00	03	06	100-06	0 1	L	JV100503	1	SS	3241	2"	RF- SF	300	A216 WCB	316Ti	std	Р	-	١	w \	∕I lin	47			FT	O 3.1E	3 -	3277	120	15	0,21	FO	4	-	-			-	-	-	-
00	02	07	100-07	0 1	L	JV100504	1	SS	3241	1"	RF- SF	300	A216 WCB	316Ti	std	P	-	\	<b>"</b> \	∕I lin	12	!		FT	O 3.15	3 -	3277	120	15	1,42,3	FC	4	-	-			-	-	-	-
00	02	08	100-08	0 1	L	JV100505	1	ss	3241	1"	RF- SF	300	A216 WCB	316Ti	std	Р	-	\	<b>«</b> ۱	/I lin	12	!		FT	O 3.1E	3 -	3277	120	15	1,42,3	FC	4	-	-			-	-	-	-
00	01	09	100-09	0 1	l	JV100506	1	ss	3241	1"	RF- SF	300	A216 WCB	316Ti	std	P	-	١	w \	/I lin	12	!		FT	O 3.1E	-	3277	120	15	0,21	FO	4	-	-			-	-	-	-
-	-	10	100-10	0 1	U	JV100902	0																																	
02	04	11	100-11	0 1	U	JV101010	1	BF	LTR43	10"	LRF- SF	600	F321/ 1.4541	Monel	std	Р	-		e۱	/I on/	170	15		FT	O 3.1E	X	GP- 100S	-485/C1	90°	4	FC	4	-	-		R	1-	-	-	-
00	11	12	100-12	0 1	U	JV101011	1	ss	3251	2"	RF- SF	600	A351 CF8C	Monel	std	Р	-		e \	/I lin	47		-	FT	O 3.1E	X	3277	700	30	0,21	FO	4	-	-		х	1-	-	-	- 1
00	13	13	100-13	0 1	u	JV101012	1	ss	3251	2"	RF-	600	Monel	Monel	ΙT	G	-	,	e \	/I lin	47			FT	O 3.1E	Х	3277	700	30	0,21	FO	4	-	-			-	-	-	-
02	07	14	100-14	0 1	U	JV101013	1	BF	LTR43	10"	LRF- SF	600	Inconel 625	Monel	std	Р	-	-	e \	v on/	170	5		FT	O 3.1E	Х	GP- 100S	-485/C1	90°	4	FC	4	-	-		R	1-	-	-	-
02	08	15	100-15	0 1	U	JV101014	1	BF	LTR43	10"	LRF- SF	600	Inconel 625	Monei	Ţ	G	-	-	9 \	√ on/	170	5		FT	O 3.1E	X	GP- 100S	-485/C1	90°	4	FC	4	-	-		R	<b>T-</b>	-	-	
00	13	16	100-16	0 1	U	V101015	1	ss	3251	2"	RF- SF	600	Monel	Monel	ΙT	G	-	-	e \	/I lin	47			FT	O 3.1E	Х	3277	700	30	0,21	FO	4	-	-			1-	-	-	-
02	05	17	100-17	0 1	U	V101030	1	BF	LTR43	10"	LRF- SF	600	F321/ 1.4541	Monel	std	Ρ	-		e \	/I on/	170	5		FT	O 3.1E	×	GP- 100S	-485/C1	90°	4	FC	4	-	-	1	R	-	-	-	_
00	11	18	100-18	0 1	U	V101031	1	ss	3251	2"	RF- SF	600	A351 CF8C	Monel	std	Ρ	-	-	2 V		47			FT	O 3.1E	X	3277	700	30	0,21	FO	4	-	-		X	1-		-	-
00	13	19	100-19	0 1	U	V101032	1	ss	3251	2"	RF- SF	600	Monel	Monei	ΙT	G	-		9 V	/I lin	47			FT	O 3.1B	Х	3277	700	30	0,21	FO	4	-	-	+		<b>†</b> -	-	-	-
02	06	20	100- 20	0 1	U	V101033	1	BF	LTR43	10"	LRF- SF	600	Inconel 625	Monel	std	Р	-	6	e \	/ on/	170	5		FT	O 3.1B	х	GP- 100S	-485/C1	90°	4	FC	4	-	-		R	1.	-	[-]	-

Unit	Revision	Alternative	Тад	FF-Positioner w. limit switches 3787-120 Gauges IP65	Limit switches 4746-2 Eex ia 1P65	Limit switches Typ 3776-12200 Eex ia IP65	solenoid valve 3963-1353 24VDC Eex ia IP65 NPT 1/4"	solenoid valve 3963-1352 24VDC Eex ia IP65 NPT 1/4"	Terminal Box with 8 terminals Eex ia IP65	air set Norgren B74G-4AK-AP3- RMN 1/4"NPT Gauge	air set Norgren B74G-6AK-AP3- RMN 3/4"NPT Gauge	tubing st.st.1/2" fittings Swagelock, bug screens	Strocke time sec.	Hook UP	remark
100-01	0	1	UV100101	-	•	х		2X	х	-	х	x	<2		
100-02	0	1	UV100417	-	-	Х		х	х	-	х	х	<2		
100-03	0	1	UV100418	-	Х	-	х	-	х	х	-	х	<2	16	
100-04	0	1	UV100501	-	-	х		2X	х	-	х	х	5		closing time <2 sec
100-05	0	1	UV100502	-	-	х		2X	х	-	Х	х	5		closing time <2 sec
100-06	0	1	UV100503	-	х	-	2X	-	х	х	-	х	5	28	
100-07	0	1	UV100504	-	х	-	х	-	х	х	-	х	2	14	
100-08	0	1	UV100505	-	х	-	х	-	х	х	-	х	2	14	
100-09	0	1	UV100506	-	х	-	х	-	х	х	•	х	2	16	
100-10	0	1	UV100902												deleted
100-11	0	1	UV101010	-	-	х		2X	х	-	Х	х	*		* closing time <2 sec / opening time <10 sec
100-12	0	1	UV101011	-	х	-	2X	-	Х	х	-	х		29	* closing time <5 sec / opening time <2 sec
100-13	0	1	UV101012	-	x	-	2X	-	Х	х	-	х	5	28	
100-14	0	1	UV101013	-	-	Х		2X	х	-	Х	х	10		closing time <2 sec
100-15	0	1	UV101014	-	-	х		2X	х	-	Х	х	10		closing time <2 sec
100-16	0	1	UV101015	-	Х	-	2X	-	х	х	-	х	5	28	
100-17	0	1	UV101030	-	-	х		2X	х	-	х	х	10		closing time <2 sec
100-18	0	1	UV101031	-	х	-	2X	-	х	х	-	x	5	29	opening time <2 sec
100-19	0	1	UV101032	-	X	-	2X	-	х	х	-	х	5	28	
100- 20	0	1	UV101033	-	•	х		2X	х	-	x	х	20		closing time <2 sec

Kommission Index	Auftragsposition	ltem	Unit	Revision Alternative		Тад	aty	Style	Туре	DN	Flange form/ connection	ANSI Class	Body material	Plug / seat material	bonnet	Packing	Pressure balance	2		. characteristic	Cv-value	Noice reduction	Sound pressure level	Flow direction	material+ functional certificate	Free of oil and greace for O2 w. 3.1B certificate	Actuator type	size cm2	stroke	spring range	Fail safe position	Air supply min. bar g.	Handwheel	Mechanical stop	Booster 8523-0084 Booster 8523-0046	X=Quick-exh. Valve 8502-0144 R=Quick-exh. Valve Type Ross	Lock-up relais 3709-1	HART-Positioner 3780-100 Gauges IP65	HART-Positioner w. limit switches 3780-120 Gauges IP65	FF-Positioner 3787-100 Gauges IP65
02	08	21	100-21	0 1	UV1	01034	1	BF	LTR43	10"	LRF- SF	600	Inconel 625	Monel	ΙΤ	G	-	е	٧	on/o ff	1705			FTO	3.1B	Х	GP- 100S	-485/C1	90°	4	FC	4	-	-		R	-	-	-	-
00	13	22	100-22	0 1	UV1	01035	1	SS	3251	2"	RF- SF	600	Monel	Monel	IT	G	-	е	VI	lin	47			FTO	3.1B	х	3277	700	30	0,21	FO	4	-	-		x	-	-	-	-
00	10	23	100-23	0 1	UV1	01225	1	SS	3251	2"	RF- SF	600	A216 WCB	316Ti	std	P	-	е	VI	lin	47			FTO	3.1B	-	3271	1400	30	1,62,4	FC	4	-	-	x		-	-	-	-
00	10	24	100-24	0 1	UV1	01226	1	SS	3251	2"	RF- SF	600	A216 WCB	316Ti	std	Р	-	е	VI	lin	47			FTO	3.1B	-	3271	1400	30	1,62,4	FC	4	-	-	х		-	-	-	-
00	04	25	100-25	0 1	UV1	01227	1	ss	3251	1"	RF- SF	600	A216 WCB	316Ti	std	Р	-	е	VI	lin	12			FTO	3.1B	-	3277	350	15	0,21	FO	4	-	-	-   -	-	-	-	-	-
	_	26a	100- 26a	1a 1	PV1	00110	1	BV	SE	8"	RF- SF	600	A216 WCB	316L	std	Р	-	e	VI	lin .	2000			FTO	3,1B		GP-085- 385/C3		80°	4	FC	4		- 1		R	1 -			
-		26b	100- 26b	1a 1	LV15	0101B	1	SS	3241	6"	RF- SF	150	A216 WCB	316Ti	std	Р	- 5	m	IV	lin	190			FTO	3.1B		3277	700	30	0,21	FO	4				x				
02	10	26	200-01	0 1	UV2	00203	1	BF	LTR43	24"	LRF-	900	A351CF8C	316L	std	P	-	m	IV	on/o	14945	······		FTO	3 1B	.	GP-	-635/C2	,,,,,,,	4	FC	4		.	_	r		,	,	
00	09	27	200-02	0 1	UV2	00206	1	SS	3251	2"	SF RF-	900	A351 CF8C	316Ti	std	Р	_	e		ff lin	5			FTO	-	_	160S 3277	350	15	0,21	FO	4		$\dot{+}$	-	R	-	-	-	$\vdash$
02	09	28	200-03	0 1	UV2	00302	1	BF	LTR43	24"	SF LRF-	600	A216 WCB	316L	std	Р	_	m		on/o	14945			FTO			GP-	-635/C2	-	4	FC	4		$\dashv$	+	0*0	-	-	-	$\vdash$
00	07	29	200-04	0 1	UV2	00305	1	ss	3251	2*	SF RF- SF	600	A216 WCB	316Ti	std	P	_	e	+	ff lin	12			FTO			160S 3271	350	30	0,21	FO	4	-	_	_	2*R	-	-	-	-
02	11	30	200-05	0 1	UV2	00301	1	BF	LTR43	28"	LRF-	600	A105	316L	std	_	_	+-	IV	on/o	18593			FTO			GP-	-685/C3	90°	4	FC	4		_	-	O*D	-	-	-	
01	04	31	400-01	0 1	111/4	 00101	1	hood	BR14t	12"	SF LRF-	150			 	0000000			hoosed	ff on/o	·····				h		160S BR31a	00000000000	ļļ	**********	<b> </b>		-			2*R	ļ <del>-</del>	-	-	-
01	03	32	400-02			00101 00201A	1		BR14t	8"	SF LRF-		A216 WCB	316L		G*	+	m	+-+	ff on/o	3908			FTC		-	SRP BR31a	5000	90°	4	FC	4	-	-	X	Х	-	-	-	-
01	03	33	400-03		-		1				SF LRF-	150	A216 WCB	316L		G*	-	m	V	ff on/o	1626			FTC		-	SRP BR31a	2000	90°	4	FC	4	-	-   2	×	X	-	-	-	
01	07	34	400-03	<del> </del>	<del> </del>	00201B			BR14t	8"	SF LRF-	150	A216 WCB	316L	std		-	m	V	ff on/o	1626				3.1B	-	SRP	2000 -585A	90°	4	FC	4	-	-   :	X	X	-	-	-	-
01	07	35	-			0202A		$\rightarrow$	BR14t	20"	SF LRF-	150	A216 WCB	316L		G*	+	m	•	ff on/o	7200				3.1B		GP-130	/C4	90°	4	FC	4	-	-	X	X	-	-	-	
01	02		400-05	<del></del>	_	0202B	1		BR14t	20"	SF LRF-	150	A216 WCB	316L		G*	-	m		ff on/o	7200				3.1B		GP-130	-585A /C4	90°	4	FC	4	-	-	X	X	-	-	-	
		36	400-06			0203A	1	-	BR14t	6"	SF LRF-	150	A216 WCB	316L		G*	-	m	V	ff on/o	819			FTC	3.1B	-	BR31a SRP	1200	90°	4	FC	4	-	-   ;	٢		-	-	-	-
01	02	37	400-07	0 1	UV40	0203B	1	BF	BR14t	6"	SF	150	A216 WCB	316L	std	G*	-	m	V	ff	819			FTC	3.1B	-	BR31a SRP	1200	90°	4	FC	4	-	-   ;	x		-	-	-	-

Unit	Revision	Alternative	Тад	FF-Positioner w. limit switches 3787-120 Gauges IP65	Limit switches 4746-2 Eex ia IP65	Limit switches Typ 3776-12200 Eex ia IP65	solenoid valve 3963-1353 24VDC Eex ia IP65 NPT 1/4"	solenoid valve 3963-1352 24VDC Eex ia 1P65 NPT 1/4"	Terminal Box with 8 terminals Eex ia IP65	air set Norgren B74G-4AK-AP3- RMN 1/4"NPT Gauge	air set Norgren B74G-6AK-AP3- RMN 3/4"NPT Gauge	tubing st.st.1/2" fittings Swagelock, bug screens	Strocke time sec.	Hook UP	remark
100-21	0	1	UV101034	-	-	х		2X	х	-	х	×	20		closing time <2 sec
100-22	0	1	UV101035	-	х	-	2X	-	х	х	-	х	5	28	
100-23	0	1	UV101225	-	х	-	Х	-	х	-	х	х	5	13	
100-24	0	1	UV101226	-	х	-	Х	-	х	-	х	х	5	13	
100-25	0	1	UV101227	-	х	-	х	-	х	х	-	х	5	16	
100- 26a	1a	1	PV100110			X		2X	X	l	X	X	20	l	new valve
100- 26b	1a	1	LV150101B	-		- p	Х	-	х	Х	•	х	5	,	new valve
200-01	0	1	UV200203	-	•	х		2X	Х	-	х	x	20		closing time <30 sec
200-02	0	1	UV200206		х	-	х	-	х	х	-	x	10	16	opening time <2 sec
200-03	0	1	UV200302		-	2X*		2X	2X**	-	х	х	20		*3 open signals, 1closed signal / **w. 2 terminal box / closing time <5 sec
200-04	0	1	UV200305	-	Х	-	Х	-	Х	Х	-	х	5	16	
200-05	0	1	UV200301	-	-	2X*		2X	2X**	-	Х	х	20		*3 open signals, 1closed signal / **w. 2 terminal box / closing time <5 sec
400-01	0	1	UV400101	*	-	Х	000000000	×	X	•	X	X***	20	boosoooo	fire safe acc. To BS 6755 / *reduced emission/
400-02	0	1	UV400201A	_	-	х		Х	Х	_	X	X***	20		***plastic tubing / **closing time <5 sec fire safe acc. To BS 6755 / *reduced emission/
400-03	0	1	UV400201B			Х		x	X	_	X	X***	20		***plastic tubing / **closing time <5 sec fire safe acc. To BS 6755 / *reduced emission/
400-04	0	1	UV4002018	_											***plastic tubing / **closing time <5 sec fire safe acc. To BS 6755 / *reduced emission/
		-		-	-	X		X	X	-	X	X***	20	-	***plastic tubing / **closing time <5 sec fire safe acc. To BS 6755 / *reduced emission/
400-05	0	1	UV400202B	-	-	Х		X	Х	-	X	X***	20		***plastic tubing / **closing time <5 sec
400-06	0	1	UV400203A	-	-	Х		Х	Х	-	Х	X***	20		fire safe acc. To BS 6755 / *reduced emission/ ***plastic tubing / **closing time <5 sec
400-07	0	1	UV400203B	-	-	X		Х	х	-	Х	X***	20		fire safe acc. To BS 6755 / *reduced emission/ ****plastic tubing / **closing time <5 sec

## Quotation No. P1725 Valve-Specification On/Off Valves

SAMSON AG Mess- und Regeltechnik

Kommission Index	Auftragsposition	Item	Unit	Revision	Alternative	Tag	aty	Style	Туре	NO	Flange form/ connection	ANSI Class	Body material	Plug / seat material	bonnet	Packing	Pressure balance	Sealing protection	seaming follows	characteristic	Cv-value	Noice reduction	Sound pressure level	Flow direction	material+ functional certificate	Free of oil and greace for O2 w. 3.1B certificate	Actuator type	size cm2	stroke	spring range	Fail safe position	Air supply min. bar g.	Handwheel	Mechanical stop	Booster 8523-0046	X=Quick-exh. Valve 8502-0144 R=Quick-exh. Valve Type Ross	Lock-up relais 3709-1	HART-Positioner 3780-100 Gauges IP65	HART-Positioner w. limit switches 3780-120 Gauges IP65 FF-Positioner 3787-100 Gauges IP65
91	06	38	450-0	1 1	1	UV450101	. 0																																
02	02	39	450-0	2 1	1	UV450102	. 0																																
01	05	40	450-0	3 1	1	UV450103	0																																
01	06	41	450-0	4 1	1	UV450201	0																																
02	02	42	450-0	5 1	1	UV450202	O																																
01	05	43	450-0	6 1	1	UV450203	0																																
01	06	44	450-0	7 1	1	UV450211	0																																
02	03	45	450-0	8 1	1	UV450212	0																																
01	05	46	450-0	9 1	1	UV450213	0																																
00	08	47	750-0	1 0	1	UV750101	1	SS	3251	2"	RF-	600	A216 WCB	316Ti	std	P	-			η lin	47	 		FTO	3.1B	· -	3277	700		• • •	FC	4	- 1	- I	**************************************			-	-   -
00	12	48	750-0	2 0	1	UV750101	1	SS	3251	2"	SF RF-	600	-		std	P	_				47		<del>                                     </del>	-	3.1B		3271	700	30	0,42	FC	4		$\dashv$	_				
00	05		750-0	+	1	UV750102	1	SS	3251	1"	SF RF-	600	<del> </del>	316Ti	-		_	- 6	1	,,,	12	-		-	3.1B	-	3277	1400		1,62,4	FO		-	-	×			-	
	<del> </del>	ļ	250-0				السل	<u> </u>			SF RF-	*******	}			h			v   \	on/c	J	<del> </del>	<b>}</b>		ļ	ļ	5211	350	15	0,21	-0	h				ļ	-		
<u> </u>	-	30	250-0	1 1		UV250104	1	BF	LDE	6"	SF	600	A105	316L	std	Р	-	n	n \	/ ff		-		FTO	3.1B	-	RC270	SRQ	80°	4	FC	4		_	X	X			
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Quotation No. P1725 Valve-Specification On/Off Valves

SAMSON AG Mess- und Regeltechnik

Unit	Revision	Alternative	Тад	FF-Positioner w. limit switches 3787-120 Gauges IP65	Limit switches 4746-2 Eex ia IP65	Limit switches Typ 3776-12200 Eex ia IP65	solenoid valve 3963-1353 24VDC Eex ia 1P65 NPT 1/4"	solenoid valve 3963-1352 24VDC Eex ia 1P65 NPT 1/4"	Terminal Box with 8 terminals Eex ia IP65	air set Norgren B74G-4AK-AP3- RMN 1/4"NPT Gauge	air set Norgren B74G-6AK-AP3- RMN 3/4"NPT Gauge	tubing st.st.1/2" fittings Swagelock, bug screens	Strocke time sec.	Hook UP	remark
450-01	1	1	UV450101												deleted
450-02	1	1	UV450102												deleted
450-03	1	1	UV450103												deleted
450-04	1	1	UV450201												deleted
450-05	1	1	UV450202												deleted
450-06	1	1	UV450203												deleted
450-07	1	1	UV450211												deleted
450-08	1	1	UV450212												deleted
450-09	1	1	UV450213												deleted
750-01	0	1	UV750101	-	Х	- 	x	   	x	X	-	Х	5	14	
750-02	0	1	UV750102	-	х	-	x	-	x	-	x	х	5	13	
750-03	0	1	UV750103	-	х	-	x	-	x	x	-	x	5	16	
250-01		1			*******	†****	ļ	 	ļ	ł	ļ	<u> </u>			
		Ė	UV250104		-		-	X	X	-	X	X	20		
												Total			

Bauart/style			Druckentlastu	ng /pressure balanced	
SS	Einsitzdurchgang	Single Seat Globe Valve	-	ohne	without
3M	Dreiwege-Misch-Ventil	3-Way Mixing Valve	P	PTFE Druckentlastung	PTFE pressure balancing ring
3D	Dreiwege-Verteil-Ventil	3-Way Diverting Valve	G	Graphit Druckentlastung	Graphite pressure balancing ring
AV	Eckventil	Angle Valve	Kennline / Cha	<u>aracteristic</u>	
BF	Klappe	Butterfly Valve	log	gleichprozentig	equal percentage
BV	Kugelhahn	Ball Valve	lin	Linear	linear
RP	Drehkegel	Rotary Plug Valve	a/z	Auf / Zu	On / Off
DV	Membranventil	Diaphragm valve	Geräuschredu	zierung/noise reduction	
sov	Regler o. Hilfsenergie	self operating valve	-	ohne	without
Flanschform/fl	ange form		ST1	Strömungsteiler I	flowdivider I
С	Form C Rz 63 100	Form C Rz 63 100	ST3	Strömungsteiler III	flowdivider III
D	Form D Rz 16 40	Form D Rz 16 40	3-stage	3 stufige Entspannung	3 stage expansion
E	Form E Rz < 16	Form E Rz < 16	5-stage	5 stufige Entspannung	5 stage expansion
N	Nut DIN 2512	groove DIN 2512	Anströmrichtu	ung/flow direction	· .
R	Rücksprung DIN 2513	reset DIN 2513	FTO	gegen Schließrichtung	flow to open
RF	raised face Ra 3,2 6,3	raised face Ra 3,2 6,3	FTC	in Schließrichtung	flow to close
RTJ	ring type joint	ring type joint		•	
LG	large groove	large groove	Ventiloberteil	<u>/ Bonnet</u>	
SG	small groove	small groove	std.	standard	standard
BWE	Anschweißende	butt weld end	IT	Isolierteil	insulating section
TP	Vorschuhende	transition piece	IT-L	langes Isolierteil	long insulating section
Stopfbuchse /	Packing Packing		В	Metallbalgabdichtung	bellows section
P	PTFE-Kohle federbelastet	PTFE carbon spring loaded	B-L	Metallbalgabdichtung mit zus.	bellows section with add.
G	Graphit Form H (nachstellbar)	Graphite Form H (adjustable)		Isolierteil lang	long insulating section
W	Packung Form W (nachstellbar)	packing form W (adjust.)	Sicherheitsste	ellung / fail safe position	
Α	PTFE/Seidenschnur schwarz (nachstellbar)	PTFE/silk rope black (adjust.)	FC	Sicherheitsstellung Zu / Antriebs	stange ausfahrend (FA)
В	PTFE/Seidenschnur weiß ( nachstellbar)	PTFE/silk rope white (adjust.)		fail safe action close / stem exter	nds (FC)
U	Univerdit /Alchem (nachstellbar)	Univerdit / Alchem (adjustable)	FO	Sicherheitsstellung Auf / Antriebs	sstange einfahrend (FE)
V	PTFE-weiß federbelastet	virgin PTFE spring loaded		fail safe action open / stem retrac	cts (FO)
			Handrad/manu	<u>ial</u>	
			Тор	oben	top
Panzerung/Sea	lling protection		3273-5/6	seitlich mit Zwischenrahmen	side between two yokes
s	Dichtkantenstellitierung	Sealing surface stellited	side	seitlich	side mounted
С	Kegel Stellite / Sitz Dichtkanten stellitiert	Plug Stellite/seat seal.surf.stellite	Sonstiges/Add	ditional	
h	gehärtet	hardened	0	öl-/fettfrei f. O2	oil-/greasefree for O2
Dichtkante / se	aling surface		CI	Chlor n. TVSK9305	Chlor acc. TVSK9305
m	metallisch	Metal/metal	s	silikonfrei	siliconfree
w	weichdichtend	soft sealing			
е	eingeschliffen	lapped in			

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