

APV D4 / D4 SL

DOBBELTSÆDE MIX PROOF VENTILER

DOKUMENT-NR.: H339346 REVISION: DK-3

LÆS OG FORSTÅ DENNE VEJLEDNING FØR BRUG ELLER VEDLIGEHOLDELSE AF DETTE PRODUKT.



EU Overensstemmelseserklæring for Ventiler og Ventilmanifolds

SPX Flow Technology Germany GmbH
Gottlieb-Daimler-Str. 13, D-59439 Holzwickede
erklærer hermed, at

**APV lækagesikker dobbeltsædet og dobbeltsædeventiler i serie
SD4, SDT4, SDU4, SDMS4, SDMSU4, SDTMS4, SWcip4, DSV,
DA4, DA4 DPF, D4 SL, DU4 SL, DT4 SL, DP4 SL, D4, DA3, DA3SLD, DE3, DEU3, DET3,
DKR2, DKRT2, DKRH2**

i de nominelle diametre DN 25 - 150, ISO 1" – 6" og 1 Sh5 - 6 Sh5

APV butterflyventiler i serie SV1, SVS1F, SV2, SVS2F, SVL, SVSL, SVE, SVSE

i de nominelle diametre DN 25 - 100, DN 125 - 250 og ISO 1" – 4"

APV kuglehaner i serien KHI, KHV, BLV1

i de nominelle diametre DN 15 – 100, ISO 1/2" – 4"

**APV enkeltstående-, membran- og fjederaktiverede ventiler i serie
S2, SW4, SWhp4, SW4DPF, SWmini4, SWT4, SWS4, MF4, MS4, MSP4, AP/T1, CPV,
RG4, RG4DPF, RGMS4, RGE4, RGE4DPF, RGEMS4, PR2, PRD2, SI2, UF/R3, UF/R4,
VRA/H**

i de nominelle diametre DN 10 - 150, ISO 1/2" – 4" og 1 Sh5 - 6 Sh5

og de herfor installerede ventilmanifolds

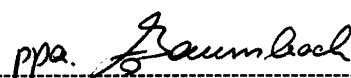
opfylder kravene i Direktiverne 2006/42/EC.

For officiel inspektion præsenterer SPX FLOW teknisk dokumentation i henhold til appendix VII i Maskindirektivet. Denne dokumentation består af dokumenter omhandlende udvikling og konstruktion, beskrivelse af trufne foranstaltninger til imødekommelse af konformitet og overensstemmelse med de gundlæggende krav til sikkerhed og helbred, inkl. en analyse af risici samt en betjeningsmanual med sikkerhedsinstruktioner.

Der garanteres for ventilernes og ventilmanifoldenes overensstemmelse.

SPX Flow Technology Germany GmbH
Gottlieb-Daimler-Str. 13, D-59439 Holzwickede, Germany

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Frank Baumbach
Engineering Manager – Sanitary Valves

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D4 1,5"-4", DN40-100	RN 500.047.01
D4 6", DN125-150	RN 500.047.03
D4 SL 1,5"-4", DN40-100	RN 501.047.01
D4 SL 6", DN125-150	RN 501.047.03

1. Generelt

Betjenings- og vedligeholdelsespersonalet skal læse og overholde betjeningsvejledningen.

Vi gør opmærksom på, at vores garanti ikke dækker skader og driftsfejl, som er opstået, fordi betjeningsvejledningen ikke blev overholdt.

Vi forbeholder os ret til at foretage tekniske ændringer i forhold til afbildningerne og angivelserne.

2. Sikkerhed

2.1. Symboler



Pas på!

Arbejdssikkerhedssymbolet gør opmærksom på vigtige anvisninger i forbindelse med arbejdssikkerhed. De findes på de steder, hvor de beskrevne opgaver kan medføre sundhedsfarer og/eller materielle skader.



Vigtig bemærkning!

Væsentlig teknisk information

2.2. Sikkerhedsanvisninger



Det er strengt forbudt at åbne drevene og de øverste spindler. Sundheds- og livsfare!

Drev, som ikke længere anvendes og/eller er defekte og øvre spindler, skal bortskaffes miljøvenligt.

Defekte aktuatorer og øvre spindler skal afleveres hos dit SPX FLOW-distributionsselskab, som sørger for, at de bliver bortskaffet miljøvenligt og uden ekstra omkostninger.

Henvend dig til dit SPX FLOW-distributionsselskab.



- Rør aldrig ventilen eller rørledninger under behandling af varme væsker eller steriliseringsprocesser!



- Afbryd elektriske og pneumatiske forbindelser før vedligeholdelsesarbejde og lign.



- Inden vedligeholdelsesarbejde skal lednings- og rengøringsystemet gøres **trykkløst** og om muligt tømmes!

2. Sikkerhed



- Overhold monteringsanvisningen – og udfør sikker vedligeholdelse af ventilen.



- Tilslutninger, som ikke er i brug, skal lukkes til med en prop!



- Det skal sikres, at de benyttede skyllemedier udledes uden fare!



- Ventilen må kun monteres, demonteres og genmonteres af personale, som er blevet instrueret til arbejde med ventiler af f.eks. SPX FLOW montører. Kontakt om nødvendigt SPX FLOW filialen.

3. Bestemmelsesmæssig anvendelse

Den bestemmelsesmæssige anvendelse som anvendelsesområde for dobbeltsædeventilen er sikker afspærring af ledningsafsnit og udskillelse af fjendtlige medier i fødevare- og drikkevareindustrien samt i farmaceutiske og kemiske anvendelser.



Pas på! Standard D4 / D4 SL ventilen må ikke anvendes i eksplosionsfarlige omgivelser.



Pas på! Uautoriserede, konstruktionsmæssige ændringer på ventilen påvirker sikkerheden og ventilens bestemmelsesmæssige funktion og er **ikke** tilladt.

SPX FLOW ventiler er beregnet til anvendelse i fødevare- og drikkevareindustrien samt i farmaceutisk og kemisk industri

SPX FLOW-ventiler (uden sikkerhedsfunktion) tildeles kategori 1 i henhold til trykudstyrsdirektivet 2014/68/EU og overvejes i henhold til overensstemmelsesvurderingsprocedure modul A.

Følgende tildeling gælder for de væsker, der behandles i ventilerne i henhold til artikel 13:

Produktmedier – Væskegruppe 2 – Ventiler i alle nominelle størrelser.

CIP-rengøringsmedier – Væskegruppe 1 - Ventiler med nominelle størrelser $\leq$ DN100/4" kan bruges op til 140 °C, ventiler med nominelle størrelser $>$ DN100/4" op til en temperatur på 100 °C.

Godkendelser og eksterne bedømmelser

For at se certificeringer af dette produkt og andre innovative SPX FLOW produkter, besøg venligst

<https://www.spxflow.com/en/apv/about-us/certifications/>

Det er anlægsoperatørens ansvar at evaluere og verificere SPX FLOW-produkters egnethed til den tilsigtede brug og servicevilkårene og at bestemme og følge de gældende love for de påtænkte applikationer og anvendelsesområder.

4. Funktion

Fig. 4.1 D4 Ventil

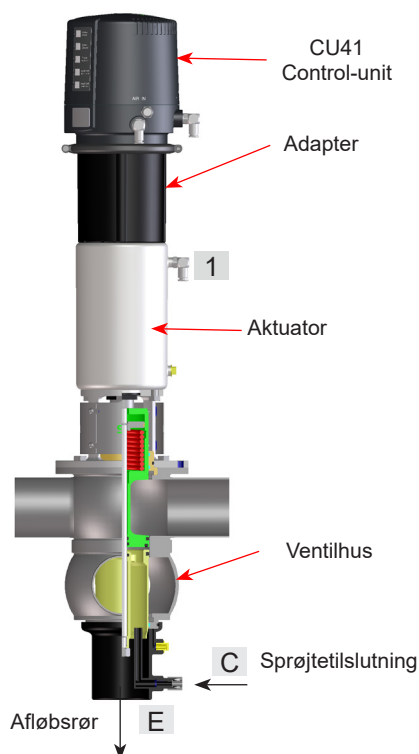
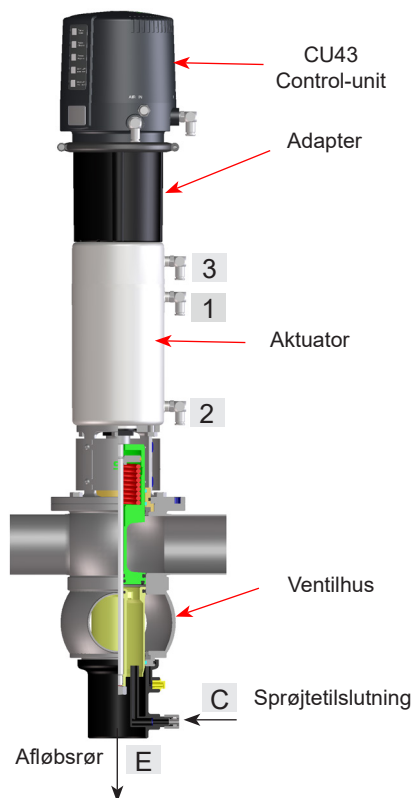


Fig. 4.1.1 D4 SL Ventil

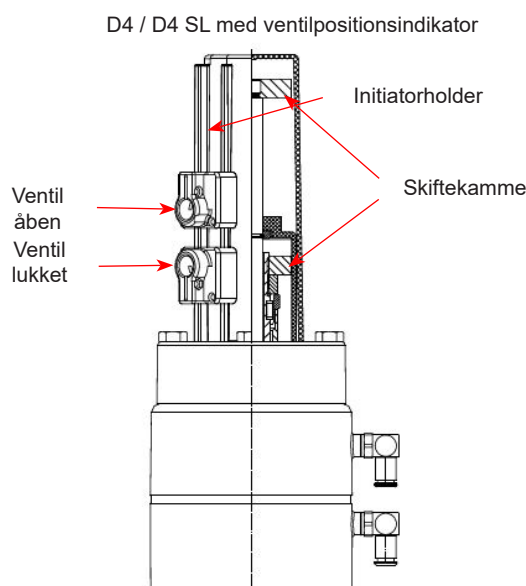


4.1. Generelt

Dobbeltsædeventilen APV DA4 benyttes på grund af sin konstruktion og funktion og anvendelsen af værdifuldt rustfrit stål og tilsvarende tætningsmaterialer i fødevarer-, drikkevarer-, farma- og kemiindustrien.

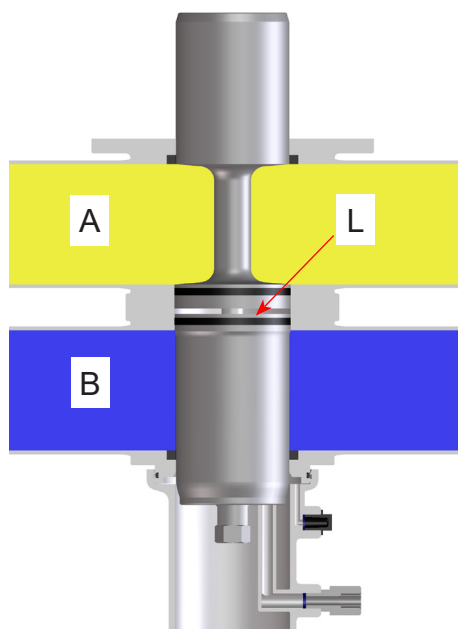
- D4 og D4 SL ventilerne adskiller to ledningsafsnit via to afbalancerede og selvstændigt fungerende ventilspindler med mellemliggende lækagerum.
- Ventilen åbnes med ringe lækage oppefra og ned.
- Lækage udledes via lækagerøret (E) uden tryk.
- Den pneumatiske aktuator åbner ventilen via lufttilslutningen (1). Ved fjederkraft flyttes ventilen til den „lukkede“ sikkerhedsendeposition.
- Standard D4 ventilen er udstyret med en aktuator uden udluftningsfunktion og en Control Unit CU41.
- Standard D4 SL ventilen er udstyret med en aktuator med udluftningsfunktion og en Control Unit CU43.
- D4 SL Ventil:
Sædeområdet rengøres via betjening af lufttilslutningerne:
2 = ventilation af øverste spindel
3 = ventilation af nederste spindel
- Lækagerummet rengøres via skylletilslutningen (C).
- Eventuelt kan lukkede og åbne positioner af D4 og D4 SL ventiler detekteres af nærhedsafbrydere.

Fig. 4.1.2.



4. Funktion

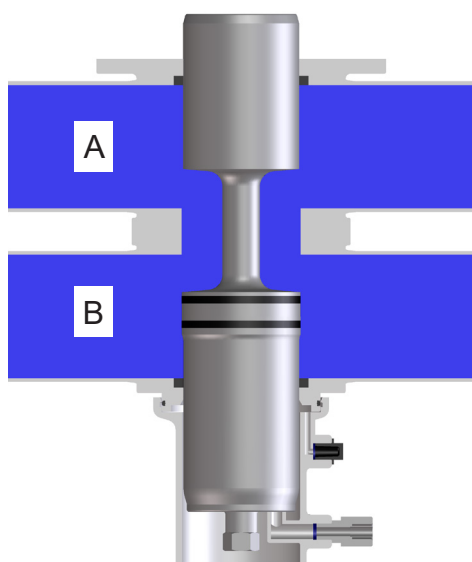
Fig. 4.2.



4.2. Ventil i „lukket“ stilling

Den nederste og den øverste ventilspindel er i lukket position og adskiller på sikker vis de forskellige medier A og B fra hinanden. Mellem de to ventilspindler ligger lækagerum L, der sikrer et frit og absolut trykløst afløb nedadtil. Ventilspindlerne er afbalanceret og dermed beskyttet mod trykslag.

Fig. 4.3.



4.3. Ventil i „åben“ stilling

Den øverste ventilspindel trykkes ved aktivering af aktuatoren mod tætningen på den nederste ventilspindel. Først aflukkes lækagerum L i forhold til produktrummet. Derefter bevæges begge ventilspindler nedad til den åbne stilling. Forbindelsen mellem rørledning A og B er etableret.

5. Control Units / Ventilpositionsindikator

CU4 kontrolenheder



5.1. Control Unit og adapter

Til montering af control unit på DA4 ventilen behøves en adapter. Følgende udførelser mulige:

Alle CU4'er er tilgængelige i kommunikationsprotokoller:

AS-I
Direct connect
IO-link
AS-I 5

For tilgængelige kontrolenheder og adaptere, se reservedelslisten:
RN 500.047.01, RN 500.047.03, RN 501.047.01, RN 501.047.03

5.2. Ventilpositionsindikator

Efter behov kan der monteres initiatorer til visning af ventilspindlernes endeposition på initiatorholderen.

Vi anbefaler en af følgende standardtyper:

Tretråds-initiator
Koblingsafstand: 5 mm
Diameter: 11 mm
Driftsspænding: 10–30 V DC
pnp pluskoblende, slutfunktion
Montering „ikke i niveau“

Vi anbefaler

Nærhedsafbryder 24 V DC, PNP, 11 mm DIA. (5 m kabel): H16223
Nærhedsafbryder 24 V DC, PNP, 11 mm DIA. (kabelboks): H16432

Vi garanterer ikke for pålidelig funktion, hvis kunden monterer en anden ventilpositionsindikator.

6. Rengøring

Ved rengøring af ventilerne skelnes mellem følgende områder:
Strømningsrum, sædeområde og lækagerum.

6.1. Strømningsrum

CIP-væsken renser de øvre og nedre gennemløb under CIP-rengøring.

6.2. D4 SL Ventil: Sædeområde (kapitel 6.5. og 6.6.)

Sædeområdet og lækagekammeret rengøres ved at ventilere de enkelte ventilsplindler under rengøring af det respektive gennemløb.

6.3. Sædeområde og lækagerum

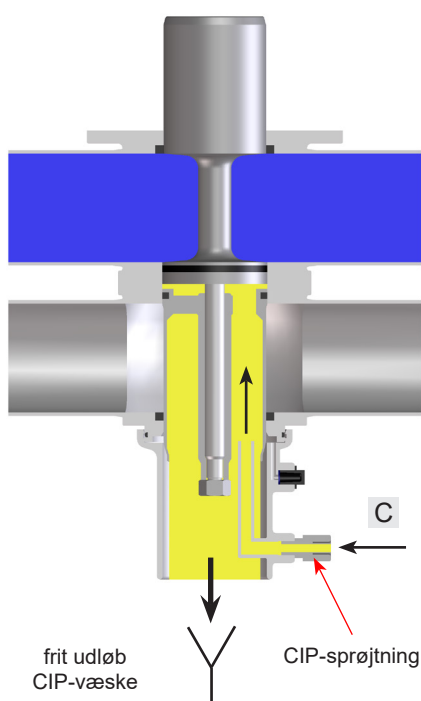
Sædeområdet og lækageområdet rengøres ved CIP-sprøjtning. CIP-rengøringsforbindelse C i fig. 6.3.

D4 Ventil: CIP-sprøjtning skal altid udføres.

CIP-sprøjtning genererer ikke trykopbygning i lækagerummet. SPX FLOW anbefaler at udføre CIP-sprøjtning i lukket ventilposition. Det kan dog også udføres med åben ventil.

Normalt kan 15 ventiler DN 40-100 / 1,5"-4", 10 ventiler DN 125-150 / 6" rengøres via en sprøjtefordelerledning DN 25.

Fig. 6.3.



6.4. Rengøringsråd

Rengøringstrin	Udluftningscyklus (D4 SL)	CIP-sprøjtning
Forskylning	–	3 x 10 sek.
Lud 80 °C	3 x 5 sek.	3 x 10 sek.
Mellemskylning	2 x 5 sek.	2 x 10 sek.
Syre	3 x 5 sek.	3 x 10 sek.
Efterskylning	2 x 5 sek.	2 x 10 sek.

- **D4 SL Ventil:** Ventilationstiderne forudsætter et rengøringstryk på $p = 2-5$ bar.
- Afhængigt af trykforhold, rengøringstemperaturer, rengøringsprocedurer og tilsmudsningsgrad skal der indstilles andre tider.
- Skyllemængde pr. CIP-sprøjtning:
 DN 40-100/1,5-4" ca. 1,2 ltr / 10 s
 DN125-150/6" ca. 5,0 ltr/10 s
- Rengøringstryk på CIP-rengøringstilslutning: min. 2 bar
 maks. 5 bar

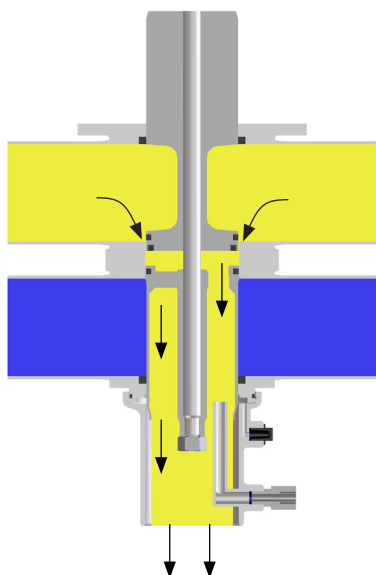


Pas på!

Det anvendte rengøringsmedium skal være kompatibelt med det respektive tætningsmateriale.

6. Rengøring

Fig. 6.5.



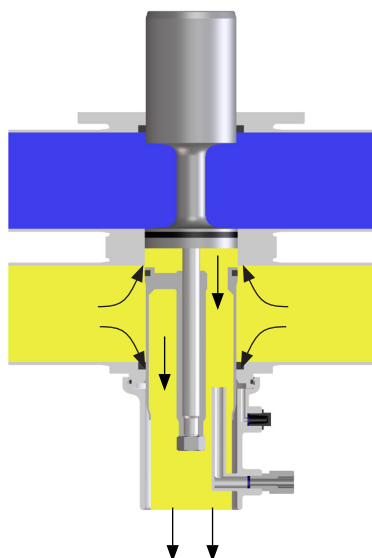
6.5. D4 SL Ventil: Rengøring af øverste område (fig. 6.5.)

Den øvre ventilspindel udluftes via tilslutning (2) som vist i figur 4.1.1 på side 8.

Ved ventilationen af den øverste ventilspindel strømmer der rengøringsmidlet via den øverste sædetætning og den øverste ventilskeive ind i lækagerummet og rengør dette område. Rengøringsmidlet bortledes trykløst i nedadgående retning.

Ventilationsslaget er begrænset af et metallisk anslag.

Fig. 6.6.



6.6. D4 SL Ventil: Rengøring af nederste område (fig. 6.6.)

Den nedre ventilspindel udluftes via tilslutning (3) som vist i figur 4.1.1 på side 8.

Ved ventilationen af den nederste ventilspindel strømmer rengøringsmidlet via den nederste sædetætning ind i lækagerummet og rengør dette område. Rengøringsmidlet bortledes trykløst i nedadgående retning.

Ventilationsslaget er begrænset af et metallisk anslag.

7. Montering og idrifttagning



- Montering skal foretages i lodret position. Væsker skal i den forbindelse kunne flyde frit ud af ventilhuset og lækagerummet.
Pas på! Lækage og væsketab fra udluftningsoperationer og CIP-sprøjtning skal opsamles sikkert og udledes.



- Ventilhuse kan svejses direkte ind i rørledninger (ventilindsats, der kan afmonteres fuldstændigt)
Bemærk! Overhold indsvejsningsanvisningerne.
- Vær opmærksom på af- og påmonteringshøjder!



- Pas på!**
Før første ibrugtagning:
- Betjen ventilen med trykluft. Åbnings-, luknings- og sædeudluftningsprocesserne skal være jævne.
- Kontroller funktionen af control-unit eller ventilpositionsindikatoren.
- Vær opmærksom på mulige lækager under ibrugtagning. Udskift defekte tætninger.

7.1. Indsvejsningsanvisninger



- Inden indsvejsningen af ventilerne skal ventilindsatsen tages ud af huset.

Pas på! Håndter ventilindsatsen forsigtigt og opbevar den omhyggeligt for at undgå skade.



- DN40-100/1,5-4":** Afmonter den nederste spindeltætning og føringsringen fra huset.
- DN125-150/6":** Den nederste spindeltætning skal blive siddende i ventilhuset, da den kan blive ødelagt, hvis den fjernes.

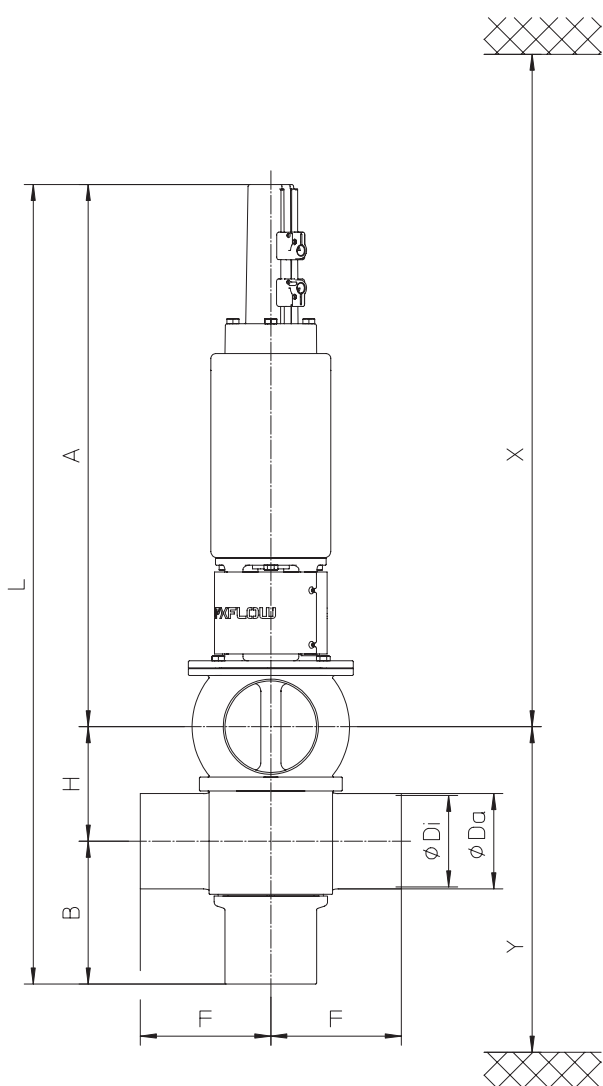
- Alt svejsearbejde må kun udføres af godkendte svejsere (DIN EN ISO 9606-1) (svejsesømkvalitet DIN EN ISO 5817).
- Indsvejsningen af ventilhusene skal udføres, uden at der udefra kan overføres spændinger ind i ventilleget.
- Forberedelsen af svejsesømmen indtil 3 mm vægtykkelse skal udføres stumpet som I-stød uden luft. Bemærk krympemål!
- Orbital WIG-svejsning er at foretrække!



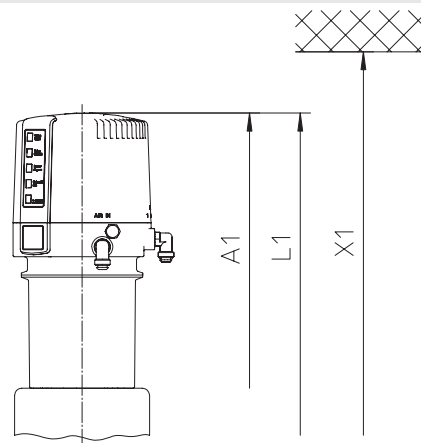
- Pas på!** Efter indsvejsning af ventilhuset eller modflangen eller efter rørledningsarbejder skal de pågældende anlægsdele eller rørledninger rengøres for svejserester og snavs før ventilerne kobles. Manglende rensning af rør før drift kan resultere i svejsesaffald eller snavs i ventilerne og beskadigelse af ventiler og tætninger.
- Eventuelle beskadigelser som følge af manglende overholdelse af disse indsvejsningsanvisninger indgår ikke i vores garantiydelse.
- Svejseinstruktionerne for det aseptiske område iht. AWS/ANSI- og EHEDG-regulativet skal følges.

8. Mål / Vægte

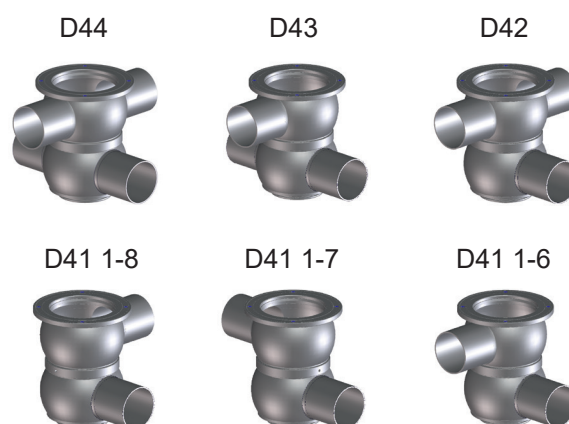
8.1. D4 Ventil



CU4 Control-unit



Huskonfiguration

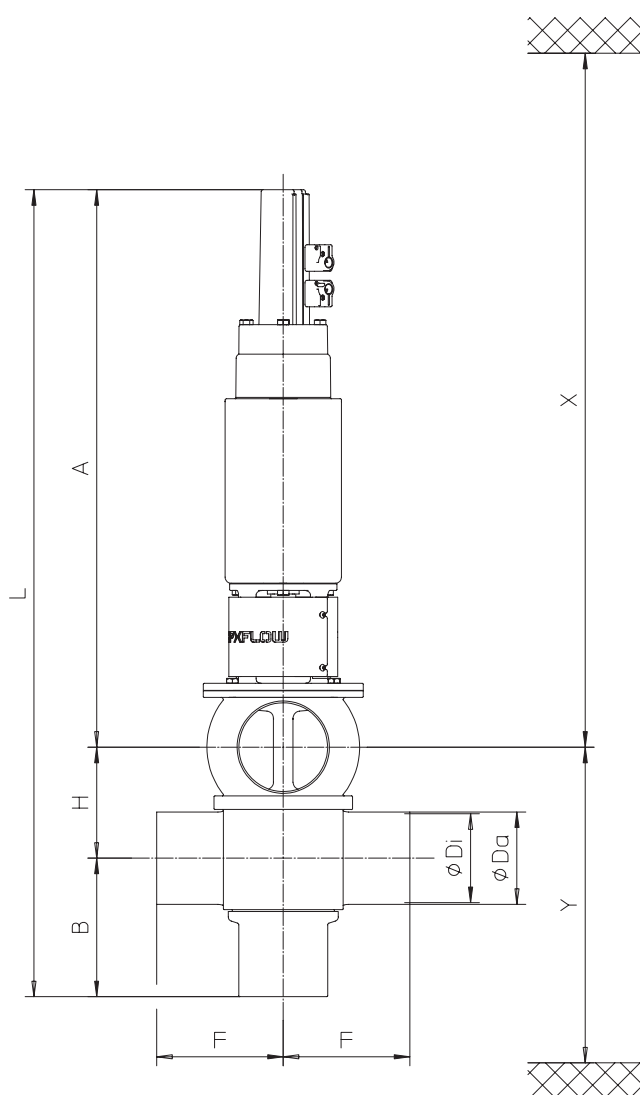


Mål i mm										Monteringsmål min. i mm			vægt i kg med CU
DN	A	A1	B	Ø Da	Ø Di	F	H	L	L1	X*	X1*	Y*	
40	483	566	120	41	38	125	63	666	749	710	790	200	14,9
50	487	570	126	53	50	125	75	688	771	740	820	218	15,0
65	495	578	134	70	66	125	91	720	803	780	860	242	16,6
80	583	666	146	85	81	142,5	106	835	918	890	980	274	25,5
100	593	676	156	104	100	142,5	125	874	957	940	1020	303	25,9
125	677	760	179	129	125	150	150	1006	1089	1030	1115	350	41,0
150	725	793	194	154	150	150	175	1094	1162	1075	1160	390	49,0
Tommer													
1,5"	483	566	119	38,1	34,8	125	63	667	750	710	790	199	14,9
2"	487	570	125	50,8	47,6	125	75	688	771	740	820	217	15,0
2,5"	495	578	131	63,5	60,3	125	85,3	708,3	791,3	760	840	234	15,7
3"	583	666	137	76,1	72,9	125	97,9	732,9	815,9	790	880	252	16,1
4"	593	676	155	101,6	97,6	142,5	125	874	957	940	1030	302	25,3
6"	727	794	193	152,4	146,9	150	175	1095	1162	1080	1165	390	49,0

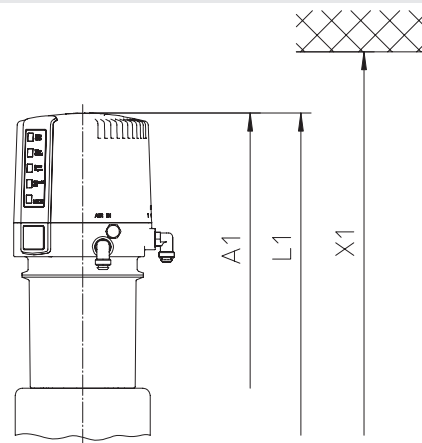
*Min. af- og påmonteringsmål

8. Mål / Vægte

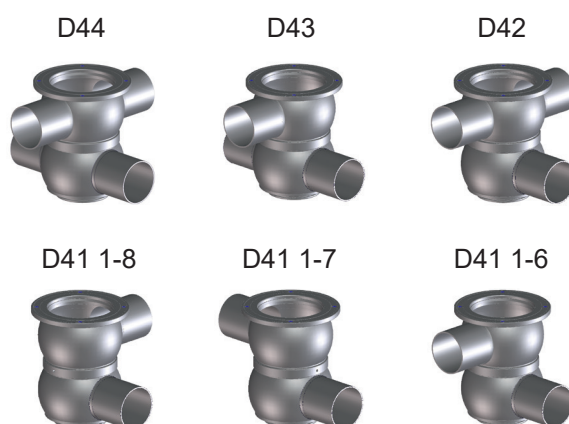
8.2. D4 SL Ventil



CU4 Control-unit



Huskonfiguration



Mål i mm										Monteringsmål min. i mm			vægt i kg med CU
DN	A	A1	B	Ø Da	Ø Di	F	H	L	L1	X*	X1*	Y*	
40	524	607	120	41	38	125	63	707	790	750	830	200	15,5
50	528	611	126	53	50	125	75	729	812	780	860	218	15,6
65	536	619	134	70	66	125	91	761	844	820	900	242	17,2
80	618	701	146	85	81	142,5	106	870	953	925	1010	274	25,5
100	628	711	156	104	100	142,5	125	909	992	980	1060	303	25,9
125	677	760	179	129	125	150	150	1006	1089	1030	1115	350	41,0
150	725	793	194	154	150	150	175	1094	1162	1075	1160	390	53,5
Tommer													
1,5"	526	609	119	38,1	34,8	125	63	708	791	750	840	199	15,5
2"	529	612	125	50,8	47,6	125	75	729	812	780	860	217	15,6
2,5"	534	617	131	63,5	60,3	125	85,3	750,3	833,3	800	890	234	16,3
3"	540	623	137	76,1	72,9	125	97,9	774,9	857,9	830	920	252	16,7
4"	629	712	155	101,6	97,6	142,5	125	909	992	980	1060	302	25,9
6"	727	794	193	152,4	146,9	150	175	1095	1162	1080	1165	390	53,5

*Min. af- og påmonteringsmål

9. Tekniske data

9.1. Generelle data

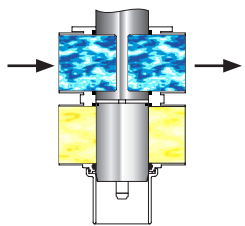
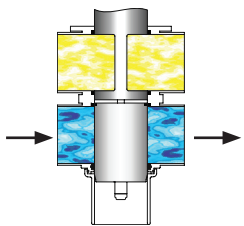
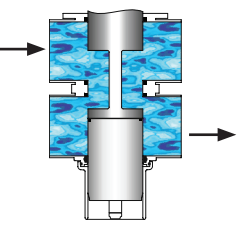
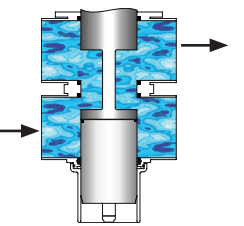
Produktberørte dele	1.4404, 316 L (DIN EN 10088)
Øvrige dele	1.4301,304 (DIN EN 10088)
Tætninger	
DN40–100/1,5"-4" standard	EPDM
DN40–100/1,5"-4" optioner	HNBR, FPM
DN125-150, 6" standard	EPDM/PTFE compound
DN125-150, 6" optioner	HNBR/PTFE compound FPM/PTFE compound
Maks. ledningstryk	10 bar
Maks. driftstemperatur	135 °C EPDM, HNBR FPM*
Kortvarig belastning	140 °C EPDM, HNBR FPM* *ingen damp
Ventiler > DN100/4"	CIP-rengøringsmedier til 100 °C
Tilspændingsmoment for stopskruen	10 Nm
Tilspændingsmoment for sikringsmøtrikkerne på nederste og øverste ventilspindel	40 Nm
Rengøringstilslutning	PP (polypropylen)
Ø Rengøringstilslutning	
DN40–100/1,5"-4"	8 x 1 mm
DN125-150/6"	10 x 1 mm
Ø Lufttilslutning	6 x 1 mm, 1/4" OD
Maks. styrelufttryk	8 bar
Min. styrelufttryk	5 bar

9.2. Trykluftkvalitet

Kvalitetsklasse	iht. DIN ISO 8573-1
Indhold af faste materialedele:	Kvalitetsklasse 3, maks. størrelse af partiklerne per m ³ 10000 fra 0,5 µm < d < 1,0 µm 500 fra 1,0 µm < d < 5,0 µm
Vandindhold:	Kvalitetsklasse 3, maks. dugpunktstemperatur -20 °C I forbindelse med installationer ved lavere temperaturer eller i større højde skal der tages yderligere forholdsregler for at reducere trykdugtemperaturen tilsvarende.
Olieindhold:	kvalitetsklasse 1, maks. 0,01 mg/m ³
Den anvendte olie skal være kompatibel med polyurethan- elastomer-materialer.	

9. Tekniske data

9.3. Kvs-værdier i m³/h

								
DN	D4	D4 SL	D4	D4 SL	D4	D4 SL	D4	D4 SL
40	49	48	44	44	33	24	33	24
50	94	91	75	75	53	48	52	46
65	170	184	150	150	83	74	80	74
80	211	210	170	170	135	131	132	126
100	369	370	246	246	174	170	155	156
125	588	588	380	380	270	270	258	258
150	844	844	567	567	393	393	371	371
Tomme								
1,5"	43	42	38	38	31	24	30	23
2"	87	83	71	71	51	46	51	46
2,5"	156	147	122	122	74	67	72	67
3"	192	183	160	160	88	83	85	82
4"	359	367	237	237	170	167	152	156
6"	808	808	548	548	386	386	370	370

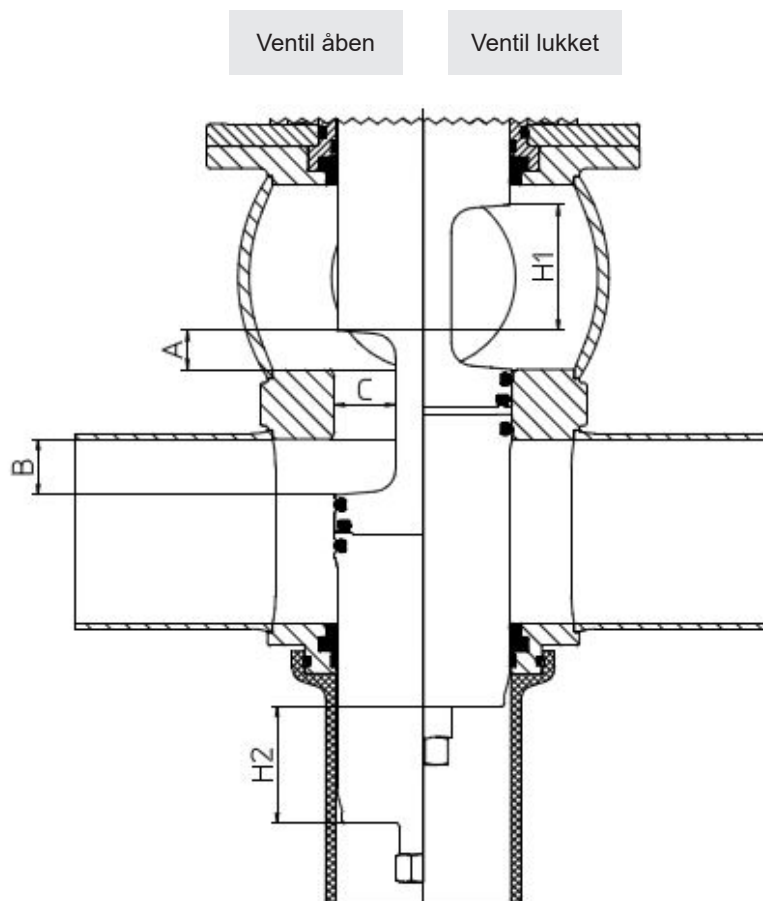
9.4. Luftforbrug / Koblingstider

D4 Ventil		Luftforbrug ved 5 bar	Koblingstider i sekunder ved 5 bar / CU41	
DN	Tommer	Aktuator		
		NL/Nav Ventil åben	Åbne	Lukke
40	1,5"	1,6	1,0	1,4
50	2"	1,8	1,1	1,7
65	2,5"	2	1,7	2,0
	3"	2	1,7	2,0
80	4"	3,7	2,6	3,3
100		3,7	2,6	3,3
125		5,5	3,4	5,2
150	6"	8,6	3,5	9,3

D4 SL ventil		Luftforbrug ved 5 bar			Koblingstider i sekunder ved 5 bar / CU43	
DN	Tommer	Aktuator	Udluftningscylinder		Åbne	Lukke
		NL/Nav Ventil åben	NL/Nav Ventilation øverst	NL/Nav Ventilation nederst		
40	1,5"	1,5	3,4	0,22	1,5	1,7
50	2"	1,7	3,4	0,22	1,5	1,7
65	2,5"	1,8	3,4	0,22	1,6	1,9
	3"	2	3,4	0,22	1,7	2,0
80	4"	3,7	7,7	0,22	2,6	3,3
100		3,7	7,7	0,22	2,6	3,3
125		5,5	10,5	0,22	3,4	5,2
150	6"	8,6	16,5	0,74	3,5	9,3

9. Tekniske data

9.5. Ventilløftehøjde / Åbningstværsnit



D4 Ventil: Mål i mm					
DN	A	B	C	Nav H1 Spindel øverst	Nav H2 Spindel nederst
40	6	7	22	32	29
50	13	12	22	37	34
65	21	20	22	45	42
80	30	25	36	50	47
100	49	25	36	50	47
125	58	35	43	60	57
150	78	40	53	65	62
Tomme					
1,5"	6	7	22	32	29
2"	13	12	22	37	34
2,5"	15,3	20	22	45	42
3"	27,9	20	22	45	42
4"	49	25	36	50	47
6"	78	40	53	65	62

D4 SL Ventil: Mål i mm					
DN	A	B	C	Nav H1 Spindel øverst	Nav H2 Spindel nederst
40	4	4	22	29	26
50	9	9	22	34	31
65	13	12	22	45	42
80	24	25	36	50	47
100	43	25	36	50	47
125	58	35	43	60	57
150	78	40	53	65	62
Tomme					
1,5"	4	4	22	29	26
2"	9	9	22	34	31
2,5"	14,3	14	22	39	36
3"	20,9	20	22	45	42
4"	43	25	36	50	47
6"	78	40	53	65	62

10. Vedligeholdelse



Bemærk!

Vedligeholdelsesintervallerne er forskellige alt efter anvendelse og skal fastsættes af brugeren selv via kontrol af og til.

- Der behøves ikke trykluft til afmontering af ventilen.



Pas på!

Ventilen må ikke rengøres med slibe- eller polermiddelholdige produkter. Slibe- og poleringsmiddelholdige stoffer er særligt skadelige for nedre og øvre spindel.



Nødvendigt værktøj til standard vedligeholdelse:

- 1 x skruenøgle SW13, SW24, SW30, SW32
- 1x skruenøgle SW36
- 2x skruenøgler SW17
- 1 x unbrakonøgle SW3, SW6
- Lang krog med 45° spids eller nåletang
- Pick-værktøj til at fjerne O-ringe og elastomertætninger
- Dobbeltledtang
- Monteringsstang D4 til montering af nederste spindeltætning, se side 25
- Af- og påmonteringsværktøj til nedre spindeltætning, se side 25
- Monteringsværktøj til mellemtætning, se side 26
- Monteringsværktøj til sædetætninger, se side 27
- 2 lange M8 sekskantskruer til sikker afmontering af ventilindsatsen
- SPX FLOW leverer komplette tætningsæt til vedligeholdelse af ventilerne (se reservedelslisterne).



Pas på!

Brug af tætningsmaterialer, der er kompatible med produktet, applikationen og CIP-rengøringsmidlerne skal sikres. Hvis du er i tvivl, bedes du kontakte din SPX FLOW repræsentant.

- Udskiftning af tætninger, se afsnit 11.2 til 11.3.
- Smør et tyndt lag fedt på alle tætninger inden montering!
Vi anbefaler:
Monteringsfedt til EPDM, HNBR og FPM (Viton)
0,75 kg/dåse - varenr. 000 70-01-019/93; H147382
60 g/tube - varenr. 000 70-01-018/93; H147381
- Smør et tyndt lag fedt på alle skruer og gevinddele inden montering!
Vi anbefaler: Klüber pasta UH1 84-201
60 g/tube - varenr. 000 70-01-016/93; H147379
Anbefaling til aktuator:
Pneumatikfedt
25 ml/tube - varenr. 000 70-01-008/93; H164725
- Samling af ventilen efter monteringsanvisningen, se afsnit 11.3.

11. Henvisninger til af- og påmontering

Varenumrene henviser til reservedelslisten

D4 1,5"-4", DN40-100 RN 500.047.01

D4 6", DN125-150 RN 500.047.03

D4 SL 1,5"-4", DN40-100 RN 501.047.01

D4 SL 6", DN125-150 RN 501.047.03

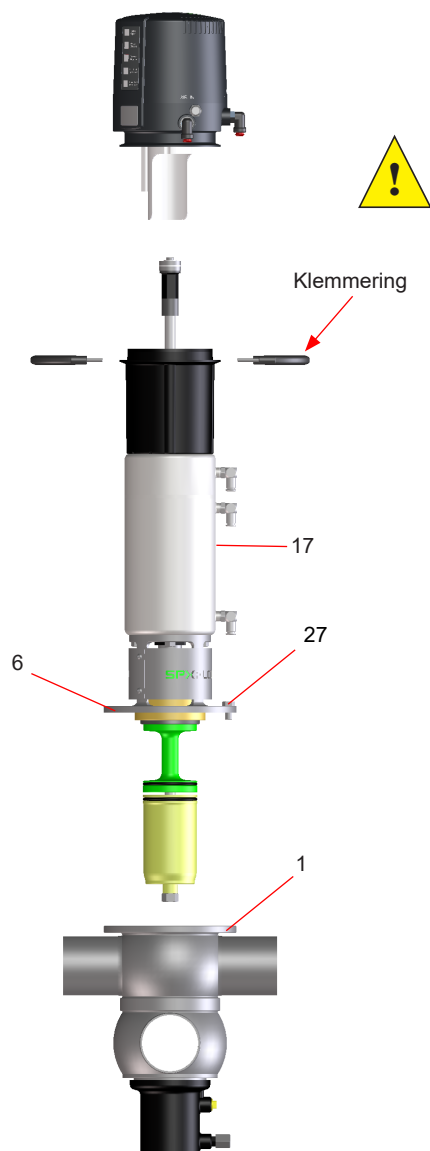
Fig. 11.1.

Værktøj til af-/påmontering, se kapitel 13.

11.1. Afmontering fra ledningssystemet

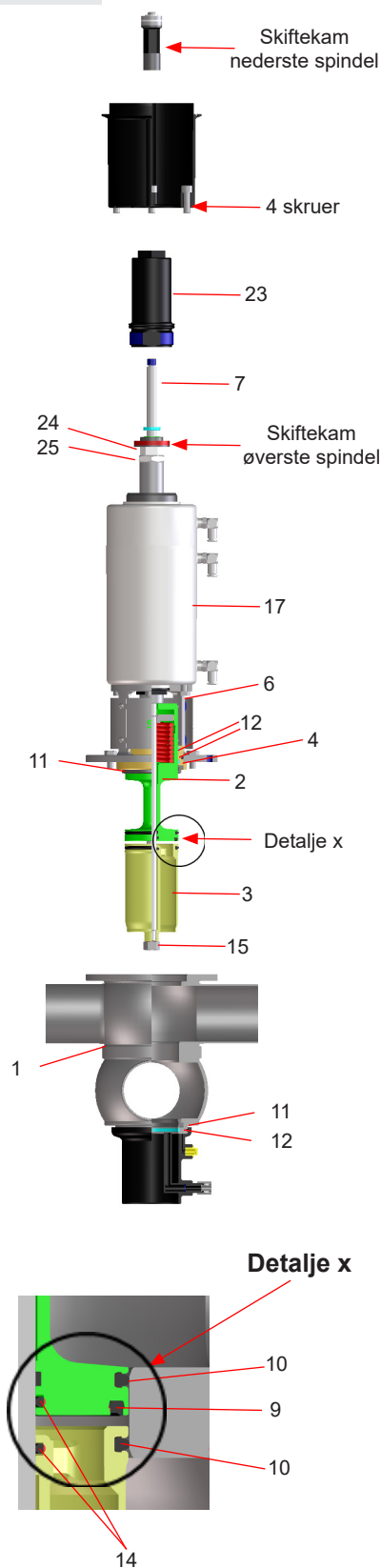
Pas på!

1. Luk for ledningstrykket i produkt- og rengøringslinjen, og tøm om muligt ledningerne.
2. Fjern styreluftledningen fra ventilaktuatoren (17).
3. Løsn de 2 skruer på klemmeringen og fjern control-unit fra adapteren.
4. Udførelse med initatorholder:
Løsn skruerne på initatorholderen og tag initatorholderen af.
5. Fjern flangeskruerne (27) på lanternen (6). For yderligere sikkerhed skal du udskifte de to flangeskruer med længere skruer, hvoraf nogle skrues ind i flangen. Hvis disse lange skruer er skruet ind, kan de to andre flangeskruer fjernes sikkert.
6. Skru en flangeskrue (27) ind i gevindhullet på lanternen (6). Som følge heraf hæves den komplette ventilindsats lidt. Fjern ikke skruen. Den bruges som monteringshjælp, når du installerer ventilindsatsen senere.
7. Løft forsigtigt ventilindsatsen lodret ud af ventilhuset (1).



11. Henvisninger til af- og påmontering

Fig. 11.2.



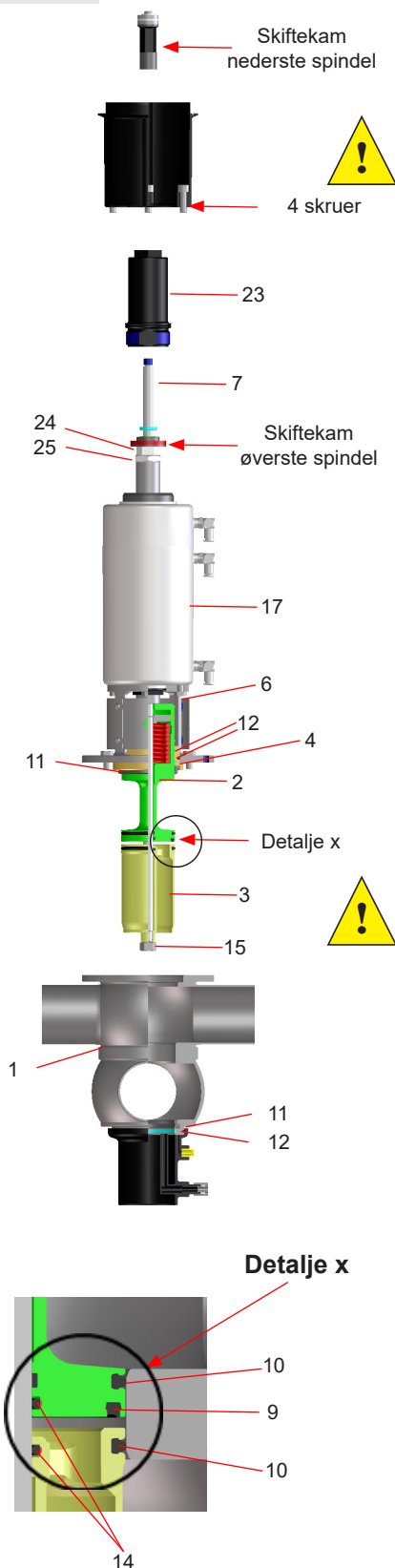
Værktøj til af-/påmontering, se kapitel 13.

11.2. Afmontering af produktberørte dele

1. Fjern skiftecammen fra trækstangen (7).
2. For at fjerne adapteren skal du fjerne de 4 skruer.
3. Løsn den nederste sikringsmøtrik (15). Ved at holde imod med en nøgle SW 17 på den nederste spindel (3) forhindres det, at denne drejer med.
4. Efter afmontering af møtrikken (15) skal du trække den nederste spindel af (3).
5. Stik en spids genstand ind i sædetætningen (10), og løft denne ud af rillen. Tag quad-ringene (14) ud af rillen.
6. Fjern stopskruen (23).
7. Løft trækstangen (7) op og ud.
8. Fjern skiftecammen fra den øverste spindel.
9. Skru sikringsmøtrikken (24) af. Ved at holde kontra med en SW30 nøgle forhindres at låseringen (25) drejer med. Fjern låseringen.
10. Løft aktuatoren (17) med lanternen (6) af.
11. Skub spindellejet (4) over den øverste spindels (2) balance.
12. Fjern spindeltætningen (11), DN125/150,6" også (11.1), og føringsringene (12) fra rillerne.
13. Afmontering af tætningerne fra den øverste spindel
Stik en spids genstand ind i sædetætningen (10) og mellem-tætningen (9), og løft dem ud af rillen. Fjern quad-ringene (14) fra rillen.
14. Afmontering af den nederste spindeltætning fra huset
Stik metalspidsen på afmonteringsværktøjet ind i skivetætningen (11) og træk den opad ud af huset (1).
15. Gælder kun for nominelle størrelser DN40-100, 1,5"-4": Anbring metalspidsen fra krogværktøjet i styrerens (12) spalte. Drej kroge let for at trække styreringen (12) ud af rillen og huset (1).

11. Henvisninger til af- og påmontering

Fig. 11.3.



11.3. Montering af de produktberørte tætninger og samling af ventilen

Bemærk! Alle tætninger og løbeflader i produktområdet skal smøres med fedt inden monteringen!

1. Gælder kun for nominelle størrelser DN40-100, 1,5"-4": Monter styreringen (12) ved hjælp af dobbeltledtangen eller nåletang i husets nederste flange (1).
2. Monter den nederste spindeltætning (11), DN125/150,6" også (11.1), i den nedre husflange. I mindre nominelle størrelser anbefaler vi at bruge de 2 monteringsværktøjer, se kapitel 13.
3. Monter quad-ringe (14) i øverste spindel (2) og nederste spindel (3).
4. Monter mellemtætningen (9) i øverste spindel (3) ved hjælp af monteringsværktøjet (se kapitel 13.2)
5. Monter de 2 sædetætninger (10) i rillerne på øverste spindel (2) og nederste spindel (3).
6. Monter spindeltætningen (11) og de to føringsringe (12) i spindellejet (4).
7. Skub spindellejet (4) over den øverste spindels (2) balance.
8. Skub den øverste spindel (2) og spindellejet (4) gennem lanternen (6) og aktuatoren (17).
9. Anbring kilerne og fastgør øvre ventilspindel (2) med låseringen (25) og låsemøtrik (24). Ved at holde kontra på låseringen (25) med en SW30 nøgle forhindres at låseringen drejer med.
Tilspændingsmoment: $M_d = 40 \text{ Nm}$
- Pas på!** Bemærk! Stramning af låsemøtrikken kan føre til gevindskader på den øverste spindel.
10. Skru skifteammen på den øverste spindel.
11. Sørg for, at kilerne sidder ordentligt i trækstangen. Skub trækstangen (7) gennem aktuatoren (17) indtil anslaget ovenfra.
12. Skub den nederste ventilspindel (3) på trækstangen (7) og fastgør den med møtrikken (15).
Tilspændingsmoment: $M_d = 40 \text{ Nm}$
13. Skub den nederste ventilspindel (3) på trækstangen (7). Justér den nedre spindel med kilen, og spænd med låsemøtrikken (15). Stram stopskruen (23), indtil den stopper. Tilspændingsmoment: $M_d = 10 \text{ Nm}$
Stopskruen skal flugte med kraven (D4) eller stemplet (D4 SL).
14. Fastgør adapteren til aktuatoren med de 4 skruer og sørg for, at luftforskrutningerne på control-unit'en er på linje med luftforskrutningerne på D4-ventilen.
15. Skru aktiveringsknasten på trækstangen (7).

11. Henvisninger til af- og påmontering

Fig. 11.4.

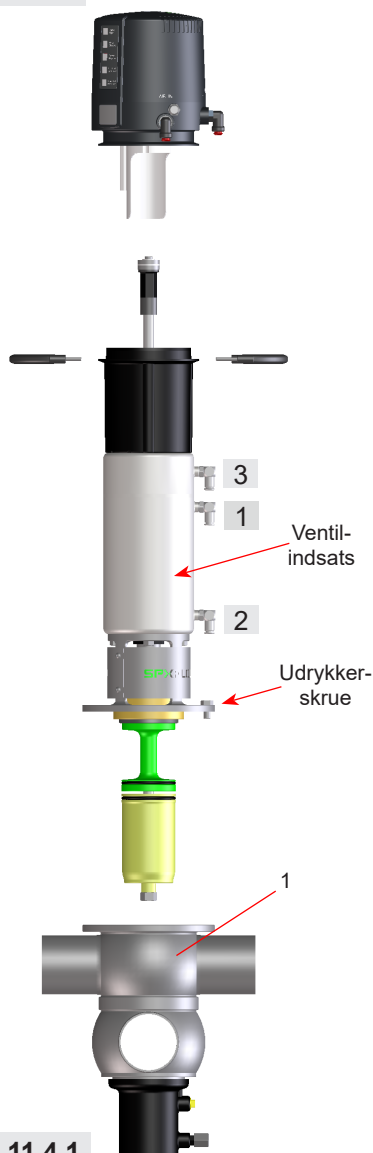
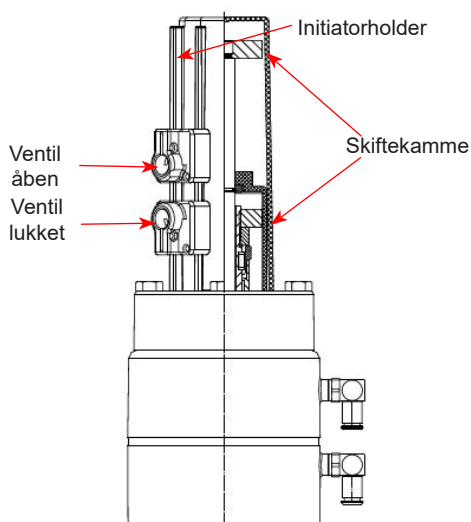


Fig. 11.4.1.

D4 / D4 SL med ventilpositionsindikator



11.4. Montering af ventilindsatsen

1. Indsæt forsigtigt ventilindsatsen i ventilhuset (1) indtil skruens anslag.
2. Fjern udrykkerskruen, og tryk forsigtigt ventilindsatsen ind i huset (1).
3. Firkant skruerne (26) skrues i og spændes over kors.
4. Control-unit'en sættes på adapteren. Control-unit skal være centreret på adapteren.
5. Klemmeringen sættes på og fastgøres med skruerne.
6. Monter styreluftledningerne.

D4 Ventil: Lufttilslutning 1: Åbn ventil

D4 SL Ventil: Lufttilslutning 1: Åbn ventil
Lufttilslutning 2: Ventilation af øverste spindel
Lufttilslutning 3: Ventilation af nederste spindel

7. Kontrollér ventilpositionsindikator:

Melding lukket ventilstilling – sensor 1 aktiveret

For at indstille Hall sensor 1 skal ventilen være i lukket position; elektromagnetventilen er ikke aktiveret. Drej justeringsskrue 1 til den ønskede position. LED'en „Valve Closed“ lyser.

Melding åben ventilstilling – sensor 2 aktiveret

Ved indstilling af Hall sensor 2 aktiveres først elektromagnetventil 1. Dette kan alt efter ønske foregå manuelt eller elektrisk. Drej derefter justeringsskrue 1 for at indstille ventilens åbne position og den tilsvarende tilbagemelding. Når den ønskede position er nået, lyser LED'en „Valve Open“

Vær opmærksom på Hall-effekt-sensorernes strømhysterese! Indstil af denne årsag sensorernes koblingspunkt med overlapning for at tillade små udsving. Vi anbefaler yderligere 2 fulde omdrejninger af justeringsskruen.

8. Version med nærhedsafbryder:

Placer initiatorholderen og stram med skruerne. Kontroller, om meddelelserne „Valve Closed“ (ventil lukket) eller „Valve Open“ (ventil åben) vises. Om nødvendigt skal du anbringe nærhedsafbryderne.

12. Vedligeholdelse af aktuator

Fig. 12.: D4 Ventilaktuator



Varenumrene henviser til reservedelslisten

D4 1,5"-4", DN40-100	RN 500.047.01
D4 6", DN125-150	RN 500.047.03
D4 SL 1,5"-4", DN40-100	RN 501.047.01
D4 SL 6", DN125-150	RN 501.047.03

12.1 Afmontering af aktuatorskruer

1. Fjern lanterneskærm og lanterne.
2. Skru de to aktuatorskruer (19) af med en topnøgle SW36.
3. Fjern V-tætninger (20) og O-ringe (18).

12.2 Montering af tætningerne og sammenbygning af aktuatoren

1. Installer de let smurte O-ringe (18) og V-tætningerne (20) i aktuatorskruen (19). Kontroller V-tætningens (20) korrekte monteringsposition.

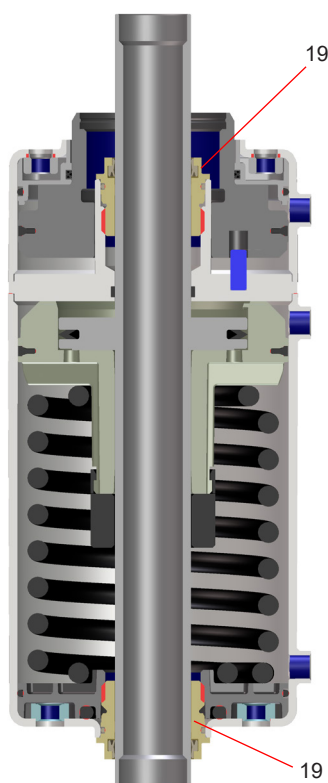
Anbefaling til aktuator:

Pneumatikfedt

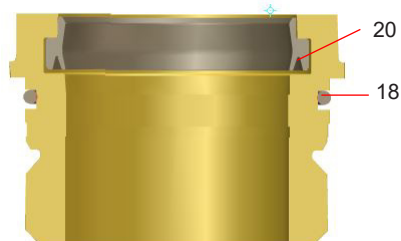
(25 ml /tube - varenr. 000 70-01-008/93; H164725)

2. Placer monteringsværktøjet (H338580) på stempelstangens ende. Skru aktuatorskruerne (19) over stempelstangen med en topnøgle SW36 på begge sider af aktuatoren og spænd.

Fig. 12.: D4 SL Ventilaktuator



Aktuatorskrue

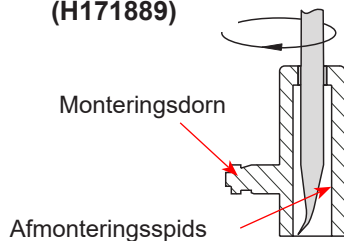


Monteringsværktøj til aktuatorskrue (H338580)

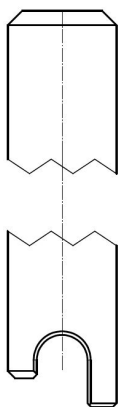


13. Monteringsanvisninger og -værktøj til tætninger

Monteringsværktøj (H171889)



Monteringsstang (H338450)



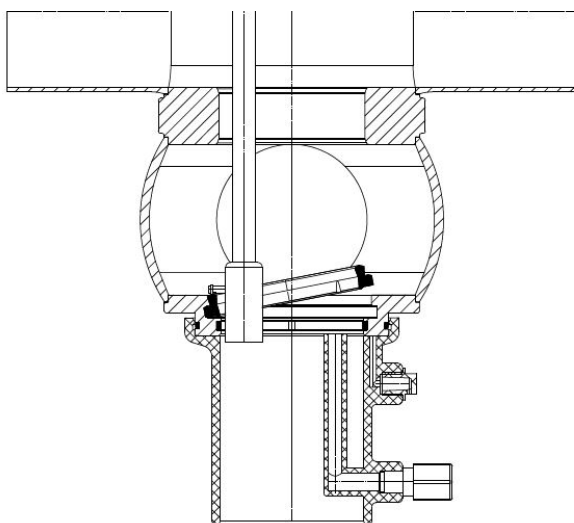
13.1. Nederste spindeltætning

Til en enkel afmontering og montering af den nederste spindeltætning (11) skal kombiværktøjet (H171889) og monteringsstang (H338450) benyttes. Det anbefales særligt ved ventiler fra den lille serie (DN 40–65, 1,5"-3") at anvende værktøjet, da tilgangen til den nederste spindeltætning oppefra på grund af den snævre pasning ellers ikke er mulig.

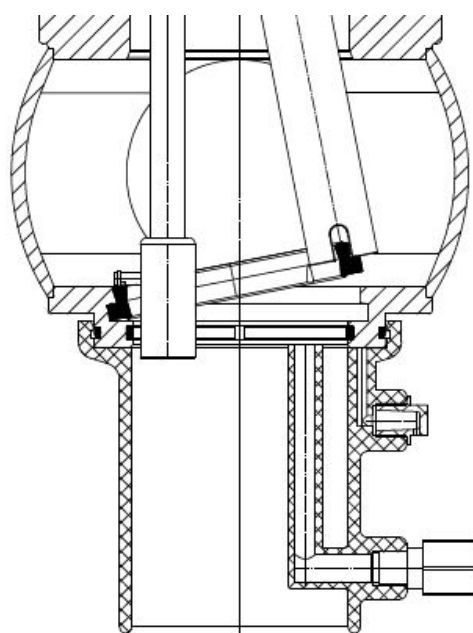
Pas på! For at undgå tilskadekomst skal afmonteringsspidsen være tildækket af monteringsdornen, når anordningen ikke benyttes.

1. Smør et tyndt lag fedt på tætningen (11).
2. Før ved hjælp af monteringsværktøjet spindeltætningen oppefra med den brede side forrest gennem husets mellemring og ind i det nederste hus (fig. 1).
3. Anbring spindeltætningen (11) med monteringsdornens monteringsrille.
4. Tryk spindeltætningen (11) ind på et sted på kropflangens not og tryk så videre på spindeltætningen.
5. Anbring monteringsstangens holdenot på tætningslæben. Drej stangen en anelse og anbring spindeltætningen (11) i noten. Fortsæt om tætningslæben med værktøjet og sæt spindeltætningen i på samme måde, indtil spindeltætningen er helt i noten.

1.



2.



13. Monteringsanvisninger og -værktøj til tætninger

13.2. Mellemtætning

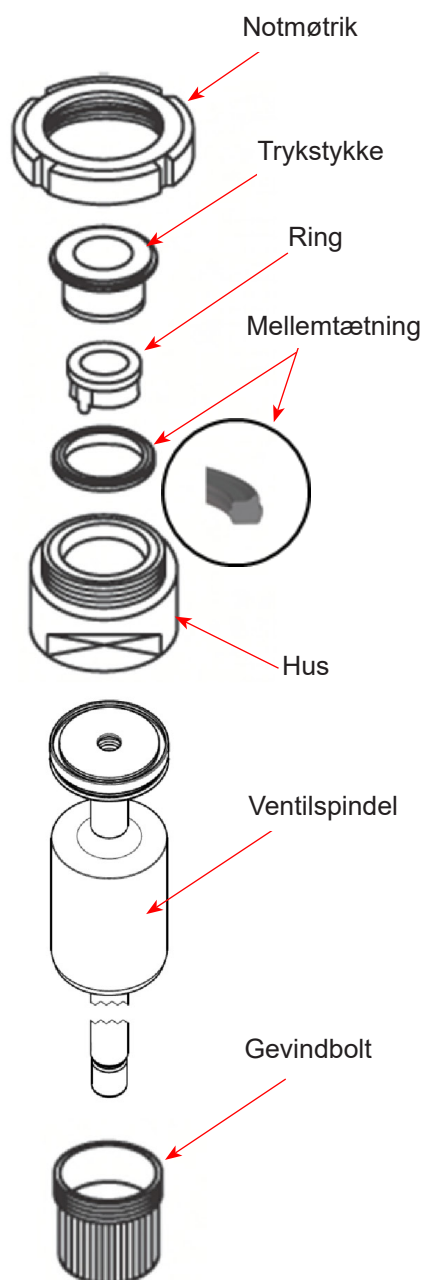
Monteringsanordningen består af:

- Notmøtrik
- Trykstykke
- Ring med udluftningsnæse
- Hus
- Gevindbolt

Montering af mellemtætningen i ventilspindlen

1. Indsæt ventilspindelen i huset, således at tætningsnoten står i huset.
2. Fastspænd spindlen i huset med gevindbolten. Fastspænd huset i en skruestok.
3. Smør mellemtætningen let med monteringsfedt. Sæt derefter pakningen på ringen.
4. Indsæt ringen med den påsatte mellemtætning i huset. Udluftningsspidsen er placeret i tætningsrillen.
5. Anbring trykstykket rundt om ringen i huset. Skru notmøtrikken på, og spænd den fast indtil anslaget opnås med en hagenøgle.
6. Løsn notmøtrikken. Træk ring og trykstykke ud af kroppen.
7. Tag kroppen ud af skruestikken, skru gevindbolten ud. Tag ventilspindlen ud af huset

Kontrollér, at mellemtætningen er anbragt korrekt.

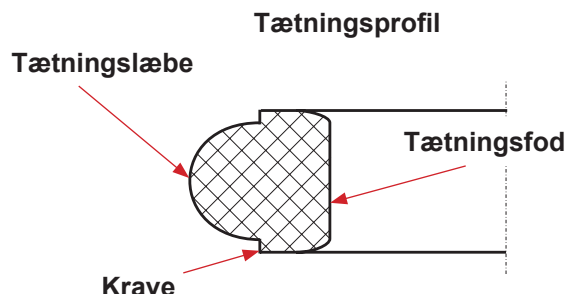


Monteringsanordning til mellemtætning

DN	Tommer	Betegnelse	Referencenummer
40	1,5"	DA3-62	51-13 - 210/17 H207310
50	2"		
65	2,5" 3"		
80	4"	DA3-92	51-13 - 211/17 H207311
100			
125		D4-114	51-13-675/17 H340758
150	6"	D4-138	51-13-677/17 H340823

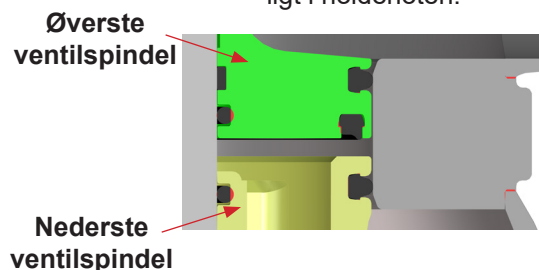
13. Monteringsanvisninger og -værktøj til tætninger

13.3. Sædetætninger

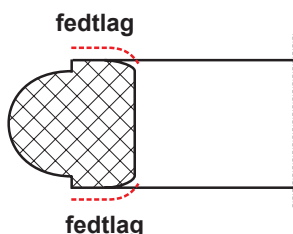


Pas på!

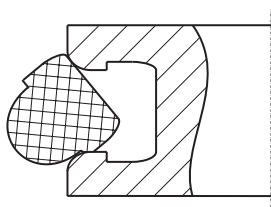
Tætningens krave skal ligge ordentligt i holdenoten.



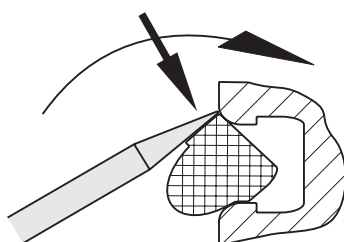
1. Smør et tyndt lag fedt på tætningskraverne.



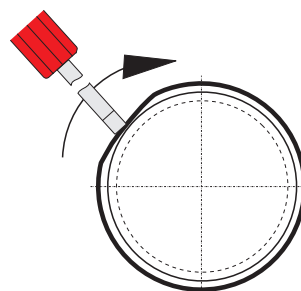
2. Træk en sædetætning på ventilspindelen, sørg for et jævnt skråleje.



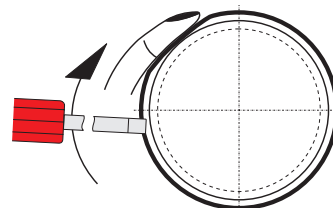
3. Tryk tætningen ind i holdenoten ved at køre hele vejen rundt med monteringsværktøjet (en skruetrækker med afrundede kanter kan også anvendes). Med henblik på dette skal monteringsværktøjet sættes på den øverste tætningskrave. Gå trinvis frem for at få tætningen til at sidde jævnt:



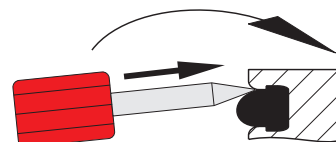
- 3.1. Tryk et kort stykke af tætningen ind i holdenoten.



- 3.2. Fastgør tætningen, der allerede er trykket ind, med fingeren (ellers slangedannelse). Tryk et kort stykke af tætningen ind og hen imod fingeren med monteringsværktøjet. Montér tætningen omløbende.



4. Tryk monteringsværktøjet ind mellem tætningsvinklen og notflanken (begge sider) og kør det helt rundt. Kø herefter den nederste tætningsvinkel rundt. Herved udluftes notens kant, og tætningskraven går på plads.



14. Afhjælpning af fejl

Fejl	Ventilstilling		Påkrævet tætningsskift
	lukket	åben	
Lækage på den øverste husflange eller ved lanternen	x	x	øverste spindeltætning (11)
Lækage på indersiden af den nederste spindels	x		sædetætninger (10)
Lækage på indersiden af den nederste spindels		x	mellemtætning (9)
Lækage på ydersiden af den nedre spindel (fjern sprøjteforbindelsen til dette)	x	x	nedre spindeltætning (11)

Varenumrene henviser til reservedelslisten.

15. Reservedelslister

Varenumrene på reservedelene til de forskellige ventiludførelser og -størrelser findes blandt de medfølgende reservedelstegninger sammen med de tilsvarende lister.

Vær opmærksom på, at reservedelslisterne til **D4 ventilen** og **D4 SL ventilen** – hhv. i standard og store nominelle størrelser – er forskellige. Vedhæftet til denne vejledning finder du **fire separate reservedelslister**.

Ved bestilling af reservedele skal efterfølgende angives:

- Antal af de ønskede dele
- Referencenummer
- Betegnelse

Ret til ændringer forbeholdes

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Spare parts list:

Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100

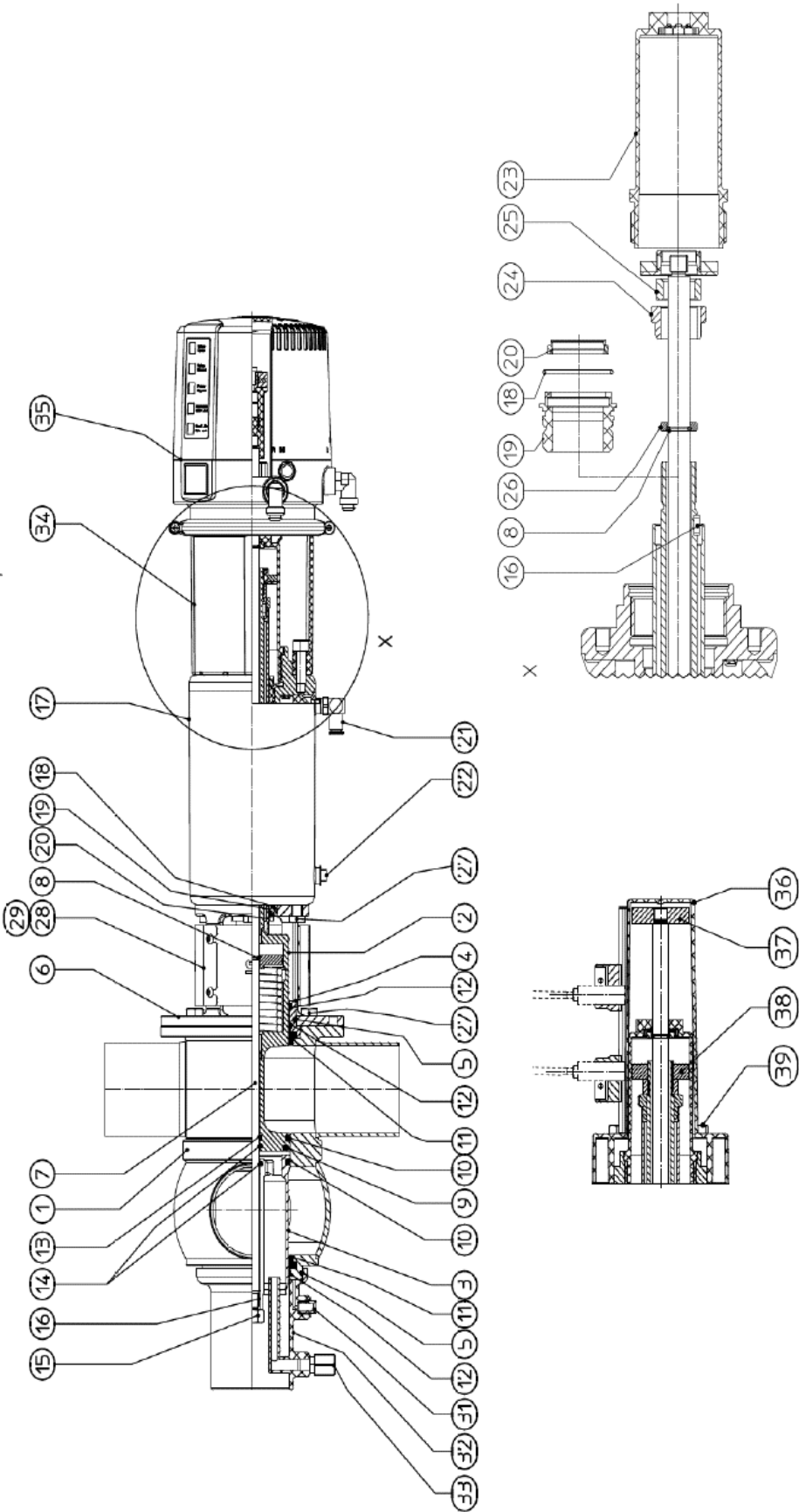
Date:	16.3.18	30.10.18	08.02.24
Name:	C.Keil	C.Keil	N.Shre
Approved by:			
Date:			
Name:			
Approved by:			

SPX FLOW

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Pos:34/35 please refer to CU4 manual



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Spare parts list:										SPX FLOW			
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100 DN 40										Date:	16.3.18	07.10.19	08.02.24
										Name:	C.Keil	Size-Si.	N.Shre
										Approved by:			
										Date:			
										Name:			
										Approved by:			
										Page	2	of	12
										RN 500.047.01			
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.		
1	1	Housing	D41 1-6	1.4404	H337180	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825		
			D41 1-7	1.4404	H337170	22	1	Venting plug G-1/8"		PE-Hard	H16218		
			D41 1-8	1.4404	H337190	23	1	Stop screw		Grivory	H334382		
			D42	1.4404	H337023	24	1	Lock washer D4		1.4301	H335172		
			D43	1.4404	H337033	25	1	Safety nut D3		1.4301	H147640		
2	1	Upper valve shaft	D44	1.4404	H335273	26	1	Thrust ring		1.4057	H123151		
				1.4404	H341253	27	8	Hex. screw M8 x 16		A2	H78772		
				1.4404	H334986	28	1	Yoke cover D4	29	1.4301	H341311		
				1.4404	H334381	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707		
				EPDM	H77039	30							
7	1	Guide rod		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507		
			8,15,16	1.4404	H341282	32	1	Spray connection DE3		PP	H168321		
				1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388		
				EPDM	H327602	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12		
				HNBR	H332652	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12		
10	2	Seat seal		EPDM	H168192	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751		
				HNBR	H171561	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386		
				FPM	H171559	38	1	Operating cam D4 top		1.4523 / 444FR	H334387		
				EPDM	H337476	39	4	Hex. screw M8x40		A2-70	H336675		
				HNBR	H337478	Pos. 9, 10, 11, 12, 14 available as complete seal kits only							
11	2	Seat seal		FPM	H337477								
				Iglidur A500	H334863								
				Acoflon	H334865								
				EPDM	H311646								
				A2	H118903								
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171					EPDM	H337884		
				1.4301	H335446					HNBR	H337885		
				NBR	H337897					FPM	H337886		
				Iglidur J350	H334376								
				NBR	H334379								
17	1	Actuator											
18	2	O-ring											
19	2	Actuator screw											
20	2	V-seal											

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Spare parts list:										16.3.18 07.10.1908.02.24			SPX FLOW			
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100 1,5 "										Name:		C.Keil		N.Shre		
										Approved by:						
										Date:						
										Name:				RN 500.047.01		
										Approved by:						
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.					
1	1	Housing	D41 1-6	1.4404	H337185	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825					
			D41 1-7	1.4404	H337175	22	1	Venting plug G-1/8"		PE-Hard	H16218					
			D41 1-8	1.4404	H337195	23	1	Stop screw		Grivory	H334382					
			D42	1.4404	H337028	24	1	Lock washer D4		1.4301	H335172					
			D43	1.4404	H337038	25	1	Safety nut D3		1.4301	H147640					
2	1	Upper valve shaft	D44	1.4404	H335272	26	1	Thrust ring		1.4057	H123151					
				1.4404	H341253	27	8	Hex. screw M8 x 16		A2	H78772					
				1.4404	H334986	28	1	Yoke cover D4	29	1.4301	H341311					
				1.4404	H334381	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707					
				EPDM	H77039	30										
7	1	Guide rod		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507					
			8,15,16	1.4404	H341282	32	1	Spray connection DE3		PP	H168321					
				1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388					
				EPDM	H327602	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12					
				HNBR	H332652	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12					
10	2	Seat seal		EPDM	H168192	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751					
				HNBR	H171561	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386					
				FPM	H171559	38	1	Operating cam D4 top		1.4523 / 444FR	H334387					
				EPDM	H337476	39	4	Hex. screw M8x40		A2-70	H336675					
				HNBR	H337478	Pos. 9, 10, 11, 12, 14 available as complete seal kits only										
11	2	Seat seal		FPM	H337477											
				Iglidur A500	H334863											
				Acoflon	H334865											
				EPDM	H311646											
				A2	H118903											
16	1	Square key 3x3x10 DIN6885 Form A		A2	H335171											
			18,19,20	1.4301	H335446											
				NBR	H337897											
				Iglidur J350	H334376											
				NBR	H334379											
19	2	Actuator screw														
20	2	V-seal														

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Spare parts list:										Date: 16.3.18 07.10.19 08.02.24			SPX FLOW		
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100 DN 50										Name: C.Keil		Size-Si.		N.Shre	
										Approved by:					
										Date:					
										Name:				RN 500.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337181	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337171	22	1	Venting plug G-1/8"		PE-Hard	H16218				
			D41 1-8	1.4404	H337191	23	1	Stop screw		Grivory	H334382				
			D42	1.4404	H337024	24	1	Lock washer D4		1.4301	H335172				
			D43	1.4404	H337034	25	1	Safety nut D3		1.4301	H147640				
2	1	Upper valve shaft	D44	1.4404	H335274	26	1	Thrust ring		1.4057	H123151				
				1.4404	H341254	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H334987	28	1	Yoke cover D4	29	1.4301	H341311				
				1.4404	H334381	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
				EPDM	H77039	30									
7	1	Guide rod		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507				
			8,15,16	1.4404	H341283	32	1	Spray connection DE3		PP	H168321				
				1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
				EPDM	H327602	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12				
				HNBR	H332652	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12				
10	2	Seat seal		EPDM	H168192	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751				
				HNBR	H171561	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				FPM	H171559	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				EPDM	H337476	39	4	Hex. screw M8x40		A2-70	H336675				
				HNBR	H337478	Pos. 9, 10, 11, 12, 14 available as complete seal kits only									
11	2	Seat seal		FPM	H337477										
				Iglidur A500	H334863										
				Acoflon	H334865										
				EPDM	H311646										
				A2	H118903										
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171										
				1.4301	H335443										
				NBR	H337897										
				Iglidur J350	H334376										
				NBR	H334379										
17	1	Actuator	18,19,20												
			30 x 2,5												
19	2	Actuator screw													
20	2	V-seal													

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Spare parts list:										Date: 16.3.18 07.10.19 08.02.24				SPX FLOW			
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100 2 "										Name: C.Keil Size-Si. N.Shre							
										Approved by:							
										Date:				Page 5 of 12			
										Name:				RN 500.047.01			
										Approved by:							
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.						
1	1	Housing	D41 1-6	1.4404	H337186	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825						
			D41 1-7	1.4404	H337176	22	1	Venting plug G-1/8"		PE-Hard	H16218						
			D41 1-8	1.4404	H337196	23	1	Stop screw		Grivory	H334382						
			D42	1.4404	H337029	24	1	Lock washer D4		1.4301	H335172						
			D43	1.4404	H337039	25	1	Safety nut D3		1.4301	H147640						
2	1	Upper valve shaft	D44	1.4404	H335271	26	1	Thrust ring		1.4057	H123151						
				1.4404	H341254	27	8	Hex. screw M8 x 16		A2	H78772						
				1.4404	H334987	28	1	Yoke cover D4	29	1.4301	H341311						
				1.4404	H334381	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707						
				EPDM	H77039	30											
7	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507						
				1.4404	H341283	32	1	Spray connection DE3		PP	H168321						
				1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388						
				EPDM	H327602	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12						
				HNBR	H332652	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12						
10	2	Seat seal		FPM	H332653	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751						
				EPDM	H168192	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386						
				HNBR	H171561	38	1	Operating cam D4 top		1.4523 / 444FR	H334387						
				FPM	H171559	39	4	Hex. screw M8x40		A2-70	H336675						
				EPDM	H337476	Pos. 9, 10, 11, 12, 14 available as complete seal kits only											
11	2	Seat seal		HNBR	H337478												
				FPM	H337477												
				Iglidur A500	H334863												
				Acoflon	H334865												
				EPDM	H311646												
12	3	Guide ring	12,37x 2,62	A2	H118903	1	1	Seal kit		EPDM	H337884						
				A2	H335171	1	1	Seal kit		HNBR	H337885						
				1.4301	H335443	1	1	Seal kit		FPM	H337886						
				NBR	H337897												
				Iglidur J350	H334376												
18	2	O-ring	30 x 2,5	NBR	H334379												
19	2	Actuator screw															
20	2	V-seal		NBR	H334379												

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Spare parts list:

**Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100
DN 65**

Spare parts list:											SPX FLOW			
											Date:	16.3.18	07.10.19	08.02.24
											Name:	C. Keil	Sze-Si.	N. Shre
											Approved by:			
											Date:			
											Name:			
											Approved by:			
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100 DN 65													Page 6	of 12
											RN 500.047.01			
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.			
1	1	D41 1-6		1.4404	H337182	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825			
		D41 1-7		1.4404	H337172	22	1	Venting plug G-1/8"		PE-Hard	H16218			
		D41 1-8		1.4404	H337192	23	1	Stop screw		Griovory	H334382			
		D42		1.4404	H337025	24	1	Lock washer D4		1.4301	H335172			
		D43		1.4404	H337035	25	1	Safety nut D3		1.4301	H147640			
		D44		1.4404	H334443	26	1	Thrust ring		1.4057	H123151			
2	1	Upper valve shaft	13,16,25	1.4404	H341255	27	8	Hex. screw M8 x 16		A2	H78772			
3	1	Lower valve shaft		1.4404	H334446	28	1	Yoke cover D4	29	1.4301	H341311			
4	1	Shaft bearing		1.4404	H334381	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707			
5	2	O-ring		EPDM	H77039	30								
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507			
7	1	Guide rod	8,15,16	1.4404	H341284	32	1	Spray connection DE3		PP	H168321			
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388			
9	1	Middle seal		HNBR	H327602	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12			
				FPM	H332653	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12			
10	2	Seat seal		EPDM	H168192	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751			
				HNBR	H171561	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386			
11	2	Seat seal		HNBR	H337476	38	1	Operating cam D4 top		1.4523 / 444FR	H334387			
				FPM	H337477	39	4	Hex. screw M8x40		A2-70	H336675			
12	3	Guide ring		Iglidur A500	H334863									
13	1	Guide band		Acoflon	H334865									
14	1	Quad ring	12,37x 2,62	EPDM	H311646									
15	1	Lock nut M10x1		A2	H118903									
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171									
17	1	Actuator	18,19,20	1.4301	H334365									
18	2	O-ring	30 x 2,5	NBR	H337897									
19	2	Actuator screw		Iglidur J350	H334376									
20	2	V-seal		NBR	H334379									

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Spare parts list:

proof valve D4 1.5" - 4"; DN 40 - 100
2.5"

Spare parts list:										SPX FLOW						
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100 2.5 "										Date:	16.3.18	07.10.19	08.02.24			
										Name:	C. Keil	Sze-Si.	N. Shre			
										Approved by:						
										Date:				Page 7 of 12		
										Name:				RN 500.047.01		
										Approved by:						
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.					
1	1	Housing	D41 1-6	1.4404	H337187	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825					
			D41 1-7	1.4404	H337177	22	1	Venting plug G-1/8"		PE-Hard	H16218					
			D41 1-8	1.4404	H337197	23	1	Stop screw		Grivory	H334382					
			D42	1.4404	H337030	24	1	Lock washer D4		1.4301	H335172					
			D43	1.4404	H337040	25	1	Safety nut D3		1.4301	H147640					
			D44	1.4404	H335270	26	1	Thrust ring		1.4057	H123151					
2	1	Upper valve shaft	13,16,25	1.4404	H341256	27	8	Hex. screw M8 x 16		A2	H78772					
3	1	Lower valve shaft		1.4404	H335391	28	1	Yoke cover D4	29	1.4301	H341311					
4	1	Shaft bearing		1.4404	H334381	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707					
5	2	O-ring		EPDM	H77039	30										
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507					
7	1	Guide rod	8,15,16	1.4404	H341285	32	1	Spray connection DE3		PP	H168321					
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388					
9	1	Middle seal		HNBR	H327602	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12					
				FPM	H332652	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12					
				EPDM	H168192	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751					
10	2	Seat seal		HNBR	H171561	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386					
				FPM	H337477	38	1	Operating cam D4 top		1.4523 / 444FR	H334387					
11	2	Seat seal		FPM	H337477	39	4	Hex. screw M8x40		A2-70	H336675					
12	3	Guide ring		Iglidur A500	H334863											
13	1	Guide band		Acoflon	H334865											
14	1	Quad ring	12,37x 2,62	EPDM	H311646											
15	1	Lock nut M10x1		A2	H118903											
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171											
17	1	Actuator	18,19,20	1.4301	H334365											
18	2	O-ring	30 x 2,5	NBR	H337897											
19	2	Actuator screw		Iglidur J350	H334376											
20	2	V-seal		NBR	H334379											

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Spare parts list:

**Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100
3"**

Spare parts list:										SPX FLOW			
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100										Date: 16.3.18 07.10.1908.02.24			
3 "										Name: C. Keil N. Shre			
										Approved by:			
										Date:			
										Name:			
										Approved by:			
										Page 8 of 12			
										RN 500.047.01			
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.		
1	1	Housing	D41 1-6	1.4404	H337188	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825		
			D41 1-7	1.4404	H337178	22	1	Venting plug G-1/8"		PE-Hard	H16218		
			D41 1-8	1.4404	H337198	23	1	Stop screw		Grivory	H334382		
			D42	1.4404	H337031	24	1	Lock washer D4		1.4301	H335172		
			D43	1.4404	H337041	25	1	Safety nut D3		1.4301	H147640		
			D44	1.4404	H335275	26	1	Thrust ring		1.4057	H123151		
2	1	Upper valve shaft	13,16,25	1.4404	H341258	27	8	Hex. screw M8 x 16	A2	H78772			
3	1	Lower valve shaft		1.4404	H335392	28	1	Yoke cover D4	29	1.4301	H341311		
4	1	Shaft bearing		1.4404	H334381	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707		
5	2	O-ring		EPDM	H77039	30							
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507		
7	1	Guide rod	8,15,16	1.4404	H341287	32	1	Spray connection DE3		PP	H168321		
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388		
9	1	Middle seal		HNBR	H327602	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12		
				FPM	H332653	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12		
10	2	Seat seal		EPDM	H168192	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751		
				HNBR	H171561	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386		
11	2	Seat seal		EPDM	H337476	38	1	Operating cam D4 top		1.4523 / 444FR	H334387		
				HNBR	H337477	39	4	Hex. screw M8x40		A2-70	H336675		
12	3	Guide ring		Iglidur A500	H334863								
13	1	Guide band		Acoflon	H334865								
14	1	Quad ring	12,37x 2,62	EPDM	H311646								
15	1	Lock nut M10x1		A2	H118903								
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171								
17	1	Actuator	18,19,20	1.4301	H334365								
18	2	O-ring	30 x 2,5	NBR	H337897								
19	2	Actuator screw		Iglidur J350	H334376								
20	2	V-seal		NBR	H334379								

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Spare parts list:

**Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100
DN 80**

Spare parts list:										SPX FLOW									
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100 DN 80										Date:	16.3.18	07.10.19	08.02.24						
										Name:	C.Kell	Sze-Si.	N.Shre						
										Approved by:									
										Date:				Page	9	of	12		
										Name:							RN 500.047.01		
										Approved by:									
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.								
1	1	Housing	D41 1-6	1.4404	H337183	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825								
			D41 1-7	1.4404	H337173	22	1	Venting plug G-1/8"		PE-Hard	H16218								
			D41 1-8	1.4404	H337193	23	1	Stop screw		Grivory	H334382								
			D42	1.4404	H337026	24	1	Lock washer D4		1.4301	H335172								
			D43	1.4404	H337036	25	1	Safety nut D3		1.4301	H147640								
			D44	1.4404	H335278	26	1	Thrust ring		1.4057	H123151								
2	1	Upper valve shaft	13,16,25	1.4404	H341257	27	8	Hex. screw M8 x 16		A2	H78772								
3	1	Lower valve shaft		1.4404	H335393	28	1	Yoke cover D4	29	1.4301	H341312								
4	1	Shaft bearing		1.4404	H335713	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707								
5	2	O-ring		EPDM	H77061	30													
6	1	Yoke		1.4301	H335994	31	1	Venting plug G-1/8"		PE-Hard	H16507								
7	1	Guide rod	8,15,16	1.4404	H341286	32	1	Spray connection DE3		PP	H168322								
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388								
9	1	Middle seal		HNBR	H327985														
				FPM	H32649	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12								
10	2	Seat seal		EPDM	H168153														
				HNBR	H171565	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12								
11	2	Seat seal		FPM	H171563														
				EPDM	H337668	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751								
12	3	Guide ring		HNBR	H337670														
				FPM	H337669	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386								
13	1	Guide band		EPDM	H337669														
				Iglidur A500	H335702	38	1	Operating cam D4 top		1.4523 / 444FR	H334387								
14	1	Quad ring		Acoflon	H335702														
				EPDM	H334865	39	4	Hex. screw M8x40		A2-70	H336675								
15	1	Lock nut M10x1		A2	H311646														
				A2	H118903														
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171														
				A2	H335171														
17	1	Actuator	18,19,20	1.4301	H335686														
				NBR	H337897														
18	2	O-ring	30 x 2,5	NBR	H337897														
				Iglidur J350	H334376														
19	2	Actuator screw		NBR	H334376														
				NBR	H334379														
20	2	V-seal		NBR	H334379														
				NBR	H334379														
Pos. 9, 10, 11, 12, 14 available as complete seal kits only																			
						1	Seal kit		EPDM	H337887									
						1	Seal kit		HNBR	H337888									
						1	Seal kit		FPM	H337889									

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Spare parts list:

proof valve D4 1.5" - 4"; DN 40 - 100
DN 100

Spare parts list:					
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100 DN 100					
Date:	16.3.18	07.10.19	08.02.24		
Name:	C.Kell	Sze-Si.	N.Shre		
Approved by:					
Date:				Page	10 of 12
Name:				RN 500.047.01	
Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.
1	1	Housing	D41 1-6	1.4404	H337184
			D41 1-7	1.4404	H337174
			D41 1-8	1.4404	H337194
			D42	1.4404	H337027
			D43	1.4404	H337037
			D44	1.4404	H335279
2	1	Upper valve shaft	13,16,25	1.4404	H341259
3	1	Lower valve shaft		1.4404	H335394
4	1	Shaft bearing		1.4404	H335713
5	2	O-ring		EPDM	H77061
6	1	Yoke		1.4301	H335994
7	1	Guide rod	8,15,16	1.4404	H341288
8	2	Retainer ring		1.4310	H14883
9	1	Middle seal		EPDM	H327985
				HNBR	H332649
10	2	Seat seal		FPM	H332648
				EPDM	H168153
				HNBR	H171565
11	2	Seat seal		FPM	H171563
				EPDM	H337668
				HNBR	H337670
12	3	Guide ring		FPM	H337669
				Iglidur A500	H335702
				Acoflon	H334865
13	1	Quad ring	12,37x 2,62	EPDM	H311646
				A2	H118903
				A2	H335171
14	2	Actuator	18,19,20	1.4301	H335686
				NBR	H337897
				Iglidur J350	H334376
15	2	V-seal		NBR	H334379
Pos. 9, 10, 11, 12, 14 available as complete seal kits only					
	1	Seal kit		EPDM	H337887
	1	Seal kit		HNBR	H337888
	1	Seal kit		FPM	H337889

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Spare parts list:

**Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100
4"**

Spare parts list:										SPX FLOW			
Double seat mix proof valve D4 1.5" - 4"; DN 40 - 100										Date: 16.3.18 07.10.1908.02.24			
4 "										Name: C. Keil N. Shre			
										Approved by:			
										Date:			
										Name:			
										Approved by:			
										Page 11 of 12			
										RN 500.047.01			
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.		
1	1	Housing	D41 1-6	1.4404	H337189	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825		
			D41 1-7	1.4404	H337179	22	1	Venting plug G-1/8"		PE-Hard	H16218		
			D41 1-8	1.4404	H337199	23	1	Stop screw		Grivory	H334382		
			D42	1.4404	H337032	24	1	Lock washer D4		1.4301	H335172		
			D43	1.4404	H337042	25	1	Safety nut D3		1.4301	H147640		
			D44	1.4404	H335280	26	1	Thrust ring		1.4057	H123151		
2	1	Upper valve shaft	13,16,25	1.4404	H341259	27	8	Hex. screw M8 x 16	A2	H78772			
3	1	Lower valve shaft		1.4404	H335394	28	1	Yoke cover D4	29	1.4301	H341312		
4	1	Shaft bearing		1.4404	H335713	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707		
5	2	O-ring		EPDM	H77061	30							
6	1	Yoke		1.4301	H335994	31	1	Venting plug G-1/8"		PE-Hard	H16507		
7	1	Guide rod	8,15,16	1.4404	H341288	32	1	Spray connection DE3		PP	H168322		
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388		
9	1	Middle seal		HNBR	H327985	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 12		
				FPM	H332649	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 12		
10	2	Seat seal		EPDM	H168153	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751		
				HNBR	H171565	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386		
11	2	Seat seal		HNBR	H337670	38	1	Operating cam D4 top		1.4523 / 444FR	H334387		
				FPM	H337669	39	4	Hex. screw M8x40		A2-70	H336675		
12	3	Guide ring		Iglidur A500	H335702								
13	1	Guide band		Acoflon	H334865								
14	1	Quad ring	12,37x 2,62	EPDM	H311646								
15	1	Lock nut M10x1		A2	H118903								
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171								
17	1	Actuator	18,19,20	1.4301	H335686								
18	2	O-ring	30 x 2,5	NBR	H337897								
19	2	Actuator screw		Iglidur J350	H334376								
20	2	V-seal		NBR	H334379								

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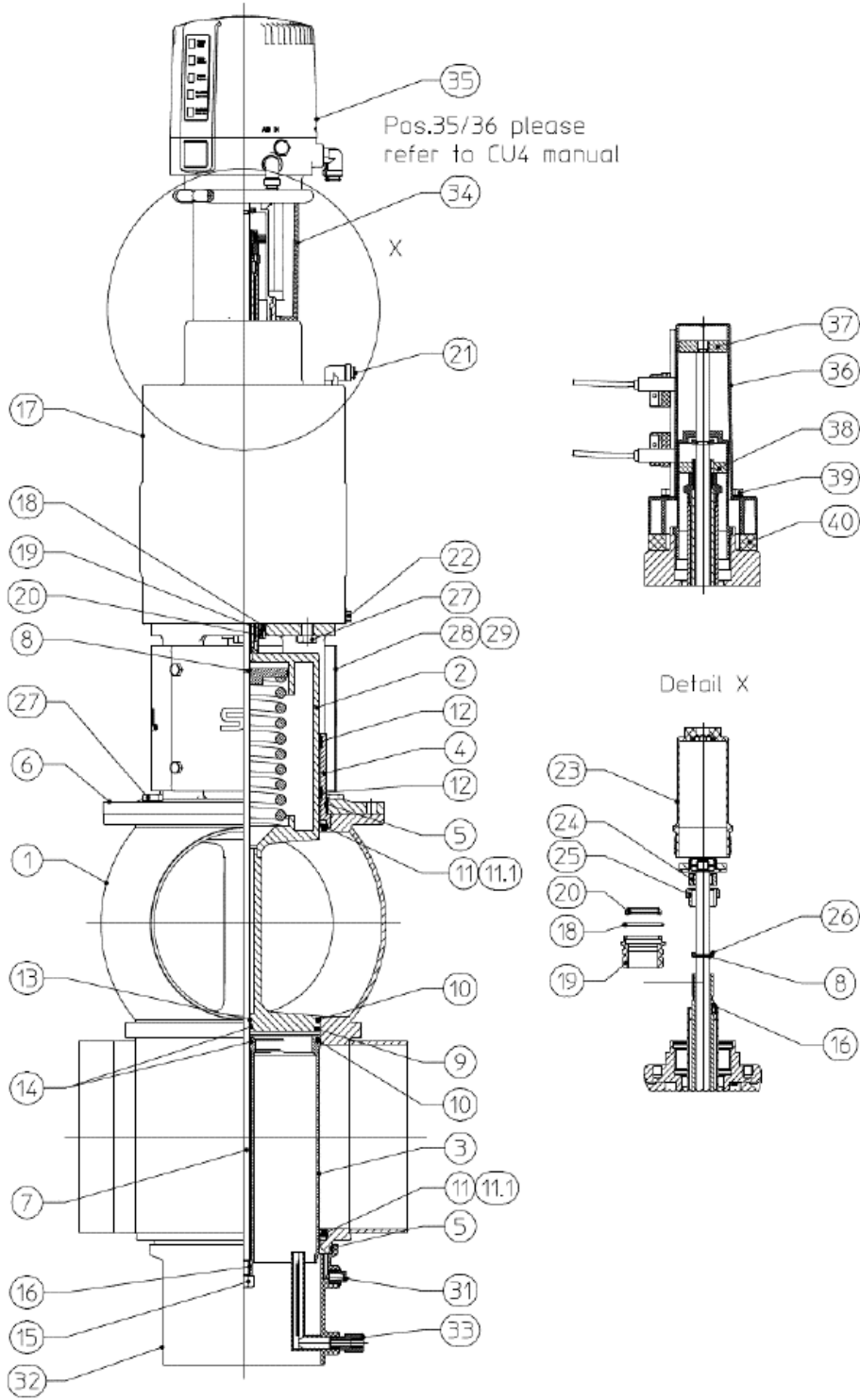
Spare parts list:													SPX FLOW												
Double seat mix proof valve D4 Control unit and adapter													Date:	16.3.18	07.10.19	08.02.24									
													Name:	C.Keil	Size-Si.	N.Shre									
													Approved by:												
													Date:				Page	12	of	12					
													Name:				RN 500.047.01								
													Approved by:												
Item	Quantity	Description	Air connections	Material	Part no.	Item	Quantity	Description	Air connections	Material	Part no.														
34	CU4 adapter D4					34	CU4plus adapter D4																		
	1	CU4 D4 adapter cmpl.	/	PA 6.6 GF30 black	H337098		1	CU4plus D4 V2 adapter cmpl.		PA6.6 GF30 black	H341891														
													CU4plus Control Units												
35	CU4 Control Units												35	CU4plus Control Units											
	1	CU41 D4 DC	6mm	PA 6.6 GF30 black	H336954	1	CU41plus D4 V2 AS-i Ext.	6mm	PA 6.6 GF30 black	H338821															
	1	CU41 D4 M12 DC	6mm	PA 6.6 GF30 black	H341342	1	CU41plus D4 V2 M12 AS-i Ext.	6mm	PA 6.6 GF30 black	H338866															
	1	CU41 D4 AS-i Ext.	6mm	PA 6.6 GF30 black	H336956	1	CU41plus-D4-M12 IO-LINK	6mm	PA 6.6 GF30 black	H345138															
	1	CU41 D4 M12 AS-i Ext.	6mm	PA 6.6 GF30 black	H338878	1	CU41plus-D4-M12 AS-I V5	6mm	PA 6.6 GF30 black	H348039															
	1	CU41 D4 AS-i Std.	6mm	PA 6.6 GF30 black	H338150	1	CU41plus-D4-M12 Direct Connect	6mm	PA 6.6 GF30 black	H342462															
	1	CU41 D4 M12 AS-i Std.	6mm	PA 6.6 GF30 black	H338898	1	CU41plus-D4-Direct Connect	6mm	PA 6.6 GF30 black	H342442															
	1	CU41 D4 DC	1/4" OD	PA 6.6 GF30 black	H336959	1	CU41plus-D4-M12 AS-I V5	1/4" OD	PA 6.6 GF30 black	H348040															
	1	CU41 D4 M12 DC	1/4" OD	PA 6.6 GF30 black	H341351	1	CU41plus-D4-M12 IO-LINK	1/4" OD	PA 6.6 GF30 black	H345139															
	1	CU41 D4 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H336961	1	CU41plus D4 V2 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338825															
	1	CU41 D4 M12 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338900	1	CU41plus D4 V2 M12 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338870															
	1	CU41 D4 AS-i Std.	1/4" OD	PA 6.6 GF30 black	H338151	1	CU41plus-D4-M12 Direct Connect	1/4" OD	PA 6.6 GF30 black	H342463															
1	CU41 D4 M12 AS-i Std.	1/4" OD	PA 6.6 GF30 black	H338902	1	CU41plus-D4-Direct Connect	1/4" OD	PA 6.6 GF30 black	H342443																

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Spare parts list:

Double seat mix proof valve D4 125-150-6"

Date:	11.10.19	10.06.20	20.06.23	08.02.24	SPX FLOW
Name:	Size-Si.	C. Keil	C. Keil	J. Shrestha	
Approved by:					
Date:					Page 1 of 8
Name:					RN 500.047.03
Approved by:					



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Spare parts list:	D
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Double seat mix proof valve D4 125-150-6"	DN 125	D
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Spare parts list:										SPX FLOW			
Double seat mix proof valve D4 125-150-6"										Date: 11.10.19 08.02.24			
DN 125										Sze-Si. Shrestha			
										Approved by:			
										Date:			
										Name:			
										Approved by:			
										Page 2 of 8			
										RN 500.047.03			
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.		
1	1	Housing	D41 / 1-6	1.4404	H340122	20	2	V-seal		NBR	H334379		
			D41 / 1-7	1.4404	H340123	21	1	W-union G1/8" Ø6mm		hard nickel-plated	H208825		
			D41 / 1-8	1.4404	H340124	22	1	Venting plug G-1/8"		PE-Hard	H16218		
			D42	1.4404	H340121	23	1	Stop screw		Grivory	H334382		
			D43	1.4404	H340120	24	1	Safety nut D3		1.4301	H147640		
2	1	Upper valve shaft	D44	1.4404	H340119	25	1	Lock washer D4		1.4301	H335172		
						26	1	Thrust ring		1.4057	H123151		
						27	8	Hex. screw M10 x 20		A2	H340472		
						28	1	Yoke cover D4	29	1.4301	H341313		
						29	4	Savetix head screw M6 x 8 washer M6 as set		1.4301	H340632		
10	2	Seat seal		1.4301	H340244	30							
				1.4404	H341298	31	1	Venting plug G-1/8"		PE-Hard	H16507		
				1.4310	H14883	32	1	Spray connection DE3		PP	H178450		
				EPDM	H340247	33	1	G-union 10/8-G1/4" with supp. Sleeve cpl.		1.4571	H329696		
				HNBR	H340248	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 8		
11	2	Seat seal		EPDM	H173940	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 8		
				HNBR	H170178	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751		
				FPM	H77610	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386		
				PTFE	H340295	38	1	Operating cam D4 top		1.4523 / 444FR	H334387		
				Iglidur A500	H340198	39	4	Hex. screw		A2-70	H336675		
11.1	2	PTFE Shaft seal		Acoflon	H334865	40	1	Spacer		PA 6.6 GF30 black			
				EPDM	H311646								
				A2	H118903								
				A2	H335171								
				Square key DIN6885 - A - 3x3x10									
16	2	Actuator	18,19,20	1.4301	H340639								
				NBR	H337897								
				Iglidur J350	H334376								

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Spare parts list:

Double seat mix proof valve D4 125-150-6"
DN 125

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Spare parts list:

Double seat mix proof valve D4 125-150-6"
DN 150

Spare parts list:										SPX FLOW				
Double seat mix proof valve D4 125-150-6" DN 150										Date:	11.10.19	08.02.24		
										Name:		Size-Si.	↓Shreshth	
										Approved by:				
										Date:				Page 4 of 8
										Name:				RN 500.047.03
										Approved by:				
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.			
1	1	Housing	D41 / 1-6	1.4404	H340135	20	2	V-seal		NBR	H334379			
			D41 / 1-7	1.4404	H340136	21	1	W-union G1/8" Ø6mm		hard nickel-plated	H208825			
			D41 / 1-8	1.4404	H340137	22	1	Venting plug G-1/8"		PE-Hard	H16218			
			D42	1.4404	H340134	23	1	Stop screw		Grivory	H334382			
			D43	1.4404	H340133	24	1	Safety nut D3		1.4301	H147640			
2	1	Upper valve shaft	D44	1.4404	H340132	25	1	Lock washer D4		1.4301	H335172			
				1.4404	H341270	26	1	Thrust ring		1.4057	H123151			
				1.4404	H340311	27	8	Hex. screw M10 x 20		A2	H340472			
				1.4404	H340322	28	1	Yoke cover D4	29	1.4301	H341314			
				EPDM	H77081	29	4	Savetix head screw M6 x 8 washer M6 as set		1.4301	H340632			
10	2	Seat seal		1.4301	H340323	30								
				1.4404	H341299	31	1	Venting plug G-1/8"		PE-Hard	H16507			
				1.4310	H14883	32	1	Spray connection DE3		PP	H200320			
				EPDM	H340325	33	1	G-union 10/8-G1/4" with supp. Sleeve cpl.		1.4571	H329696			
				HNBR	H340326	34	1	CU4 , CU4plus adapter cpl.		PA6.6 GF30 black	See page 8			
11	2	Seat seal		FPM	H340327	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 8			
				EPDM	H173739	36	1	Prox. switch holder D4 cpl.		PA 6.6 GF30 black	H336751			
				HNBR	H170177	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386			
				FPM	H77627	38	1	Operating cam D4 top		1.4523 / 444FR	H334387			
				PTFE	H340328	39	4	Hex. screw		A2-70	H340751			
11.1	2	PTFE Shaft seal				40	1	Spacer		PA 6.6 GF30 black	H340179			
12	2	Guide ring		Iglidur A500	H340182									
13	1	Guide band		Acoflon	H334865									
14	2	Quad ring	12.37x 2.62	EPDM	H311646									
15	1	Lock nut M10x1		A2	H118903									
16	2	Square key DIN6885 - A - 3x3x10		A2	H335171									
17	1	Actuator	18,19,20	1.4301	H340636									
18	2	O-ring	30 x 2,5	NBR	H337897									
19	2	Actuator screw		Iglidur J350	H334376									

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Spare parts list:

Double seat mix proof valve D4 125-150-6"
DN 150

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Spare parts list:										Date: 11.10.19 08.02.24			SPX FLOW		
Double seat mix proof valve D4 125-150-6" 6"										Name: Size-Si. 4 Shresht					
										Approved by:					
										Date:			Page 6 of 8		
										Name:			RN 500.047.03		
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 / 1-6	1.4404	H340141	20	2	V-seal		NBR	H334379				
			D41 / 1-7	1.4404	H340142	21	1	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 / 1-8	1.4404	H340143	22	1	Venting plug G-1/8"		PE-Hard	H16218				
			D42	1.4404	H340140	23	1	Stop screw		Grivory	H334382				
			D43	1.4404	H340139	24	1	Safety nut D3		1.4301	H147640				
2	1	Upper valve shaft	D44	1.4404	H340138	25	1	Lock washer D4		1.4301	H335172				
				1.4404	H341270	26	1	Thrust ring		1.4057	H123151				
				1.4404	H340311	27	8	Hex. screw M10 x 20		A2	H340472				
				1.4404	H340322	28	1	Yoke cover D4	29	1.4301	H341314				
				EPDM	H77081	29	4	Savetix head screw M6 x 8 washer M6 as set		1.4301	H340632				
7	1	Guide rod		1.4301	H340323	30									
				1.4404	H341299	31	1	Venting plug G-1/8"		PE-Hard	H16507				
				1.4310	H14883	32	1	Spray connection DE3		PP	H200320				
				EPDM	H340325	33	1	G-union 10/8-G1/4" with suppl. Sleeve cpl.		1.4571	H329696				
				HNBR	H340326	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 8				
10	2	Seat seal		EPDM	H173739	35	1	CU41 , CU41plus .		PA6.6 GF30 black	See page 8				
				HNBR	H173738	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751				
				FPM	H338070	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				PTFE	H340328	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				Iglidur A500	H340182	39	4	Hex. screw		A2-70	H340751				
11	2	Seat seal		EPDM	H77628	40	1	Spacer		PA 6.6 GF30 black	H340179				
				HNBR	H170177										
				FPM	H77627										
				PTFE	H340328										
				Iglidur A500	H340182										
11.1	2	PTFE Shaft seal		Acoflon	H334865										
				EPDM	H311646										
				A2	H118903										
				A2	H335171										
				1.4301	H340636										
17	1	Actuator	18,19,20	1.4301	H340636										
				HNBR	H337897										
				Iglidur J350	H334376										
18	2	O-ring	30 x 2,5												
19	2	Actuator screw													

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Spare parts list:

Double seat mix proof valve D4 125-150-6"
6"

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Spare parts list:												
Double seat mix proof valve D4 125-150-6" 6"												
Date: 11.10.19 08.02.24		Size-Si. 4-Shresht		Approved by:				Page 8 of 8		SPX FLOW		
Name:												
Approved by:												
Date:												
Name:												
Approved by:										RN 500.047.03		
Item	Quantity	Description	Air connections	Material	Part no.	Item	Quantity	Description	Air connections	Material	Part no.	
CU4 adapter D4												
34	1	CU4 D4 adapter cmpl.	/	PA 6.6 GF30 black	H337098	CU4plus adapter D4						
	1	CU4plus D4 V2 adapter cmpl.		PA6.6 GF30 black	H341891							
CU4 Control Units												
35	1	CU41 D4 DC	6mm	PA 6.6 GF30 black	H336954	CU4plus Control Units						
	1	CU41 D4 M12 DC	6mm	PA 6.6 GF30 black	H341342	1	CU41plus D4 V2 AS-i Ext.	6mm	PA 6.6 GF30 black	H338821		
	1	CU41 D4 AS-i Ext.	6mm	PA 6.6 GF30 black	H336956	1	CU41plus D4 V2 M12 AS-i Ext.	6mm	PA 6.6 GF30 black	H338866		
	1	CU41 D4 M12 AS-i Ext.	6mm	PA 6.6 GF30 black	H338878	1	CU41plus-D4-M12 IO-LINK	6mm	PA 6.6 GF30 black	H345138		
	1	CU41 D4 AS-i Std.	6mm	PA 6.6 GF30 black	H338150	1	CU41plus-D4-M12 AS-I V5	6mm	PA 6.6 GF30 black	H348039		
	1	CU41 D4 M12 AS-i Std.	6mm	PA 6.6 GF30 black	H338898	1	CU41plus-D4-M12 Direct Connect	6mm	PA 6.6 GF30 black	H342462		
	1	CU41 D4 DC	1/4" OD	PA 6.6 GF30 black	H336959	1	CU41plus-D4-Direct Connect	6mm	PA 6.6 GF30 black	H342442		
	1	CU41 D4 M12 DC	1/4" OD	PA 6.6 GF30 black	H341351	1	CU41plus-D4-M12 AS-I V5	1/4" OD	PA 6.6 GF30 black	H348040		
	1	CU41 D4 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H336961	1	CU41plus-D4-M12 IO-LINK	1/4" OD	PA 6.6 GF30 black	H345139		
	1	CU41 D4 AS-i Std.	1/4" OD	PA 6.6 GF30 black	H338900	1	CU41plus D4 V2 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338825		
	1	CU41 D4 M12 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338151	1	CU41plus D4 V2 M12 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338870		
	1	CU41 D4 AS-i Std.	1/4" OD	PA 6.6 GF30 black	H338902	1	CU41plus-D4-M12 Direct Connect	1/4" OD	PA 6.6 GF30 black	H342463		
	1	CU41 D4 M12 AS-i Std.	1/4" OD	PA 6.6 GF30 black		1	CU41plus-D4-Direct Connect	1/4" OD	PA 6.6 GF30 black	H342443		

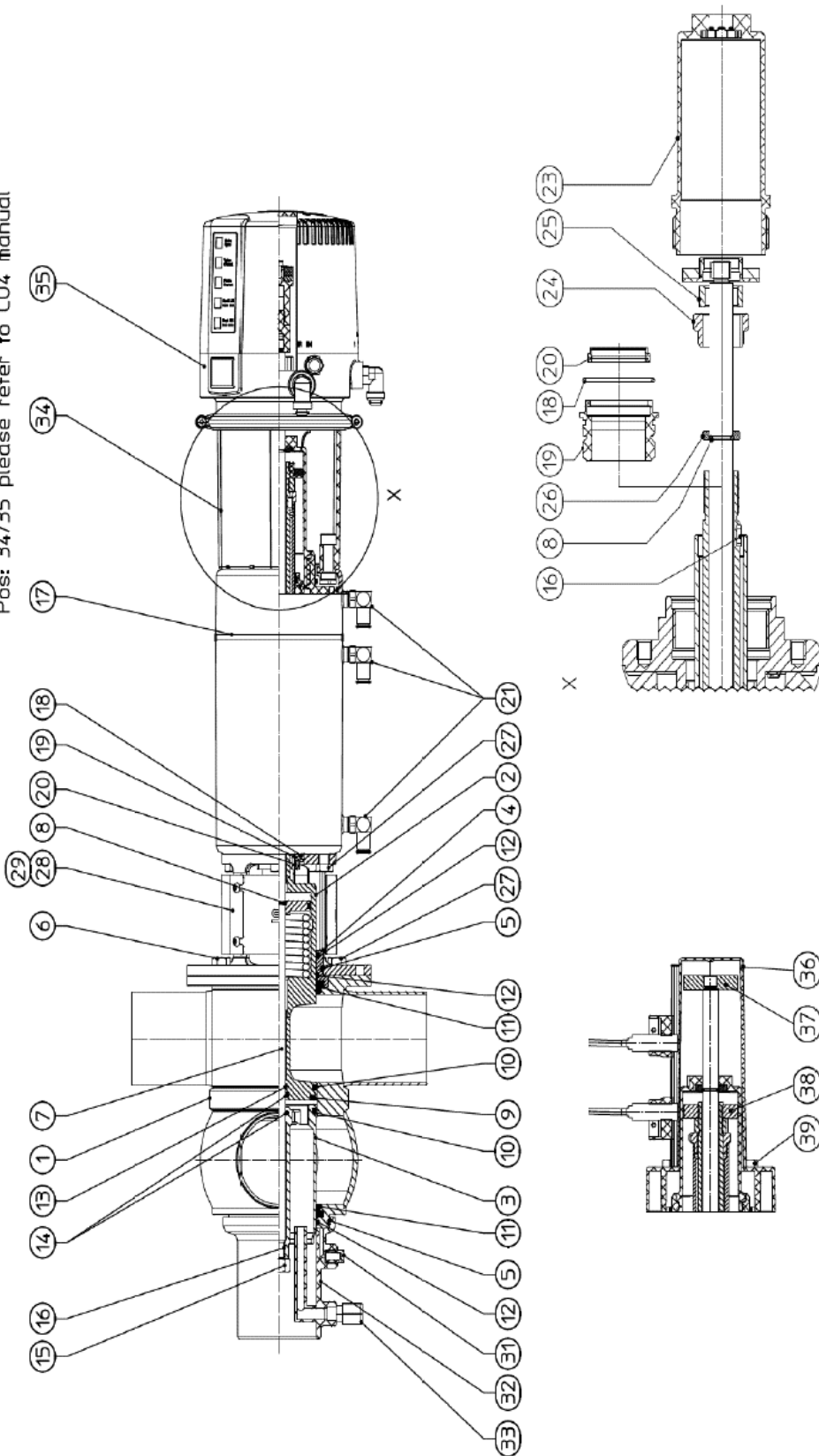
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Spare parts list:

Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100

Date:	16.3.18	30.10.18	11.10.19	08.02.24	SPX FLOW	
Name:	C. Keil	C. Keil	Sze-Si.	N. Shire		
Approved by:						
Date:					Page	1 of 12
Name:					RN 501.047.01	
Approved by:						

Pos: 34/35 please refer to CU4 manual



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Spare parts list:												SPX FLOW							
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 DN 40												Date:	16.3.18	11.10.19	08.02.24				
												Name:	C.Keil	Sze-Si.	N.Shre				
												Approved by:							
												Date:				Page	2	of	12
												Name:				RN 501.047.01			
												Approved by:							
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.								
1	1	D41 1-6		1.4404	H337180	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825								
		D41 1-7		1.4404	H337170	23	1	Stop screw		Grivory	H334382								
		D41 1-8		1.4404	H337190	24	1	Lock washer D4		1.4301	H335172								
		D42		1.4404	H337023	25	1	Safety nut D3		1.4301	H147640								
		D43		1.4404	H337033	26	1	Thrust ring		1.4057	H123151								
2	1	D44		1.4404	H335273	27	8	Hex. screw M8 x 16		A2	H78772								
		Upper valve shaft	13,16,25	1.4404	H341262	28	1	Yoke cover D4	29	1.4301	H341311								
3	1	Lower valve shaft		1.4404	H334986	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707								
4	1	Shaft bearing		1.4404	H334381	30													
5	2	O-ring		EPDM	H77039	31	1	Venting plug G-1/8"		PE-Hard	H16507								
6	1	Yoke		1.4301	H334383	32	1	Spray connection DE3		PP	H168321								
7	1	Guide rod	8,15,16	1.4404	H341291	33	1	G-union 8x1-G1/8"		PVDF-black	H16388								
8	2	Retainer ring		1.4310	H14883	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 8								
9	1	Middle seal		EPDM	H327602	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8								
				HNBR	H332652	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751								
				FPM	H332653	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386								
				EPDM	H168192	38	1	Operating cam D4 top		1.4523 / 444FR	H334387								
10	2	Seat seal		HNBR	H171561	39	4	Hex. screw M8x40		A2-70	H336675								
				FPM	H171559	Pos. 9, 10, 11, 12, 14 available as complete seal kits only													
				EPDM	H337476														
				HNBR	H337478														
				FPM	H337477														
				Iglidur A500	H334863														
11	2	Seat seal		Acoflon	H334865					EPDM	H337884								
			12,37x 2,62	EPDM	H311646					HNBR	H337885								
12	3	Guide ring		A2	H118903					FPM	H337886								
13	1	Guide band		A2	H335171														
14	1	Quad ring		A2	H335470														
15	1	Lock nut M10x1		A2	H337897														
16	2	Square key 3x3x10 DIN6885 Form A		A2	H334376														
17	1	Actuator	18,19,20	1.4301	H334379														
18	2	O-ring	30 x 2,5	NBR															
19	2	Actuator screw		Iglidur J350															
20	2	V-seal		NBR															

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Spare parts list:										Date: 16.3.18 11.10.19 08.02.24				SPX FLOW	
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 1,5 "										Name: C.Keil N.Shre					
										Approved by:					
										Date:				Page 3 of 12	
										Name:				RN 501.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337185	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337175	23	1	Stop screw		Grivory	H334382				
			D41 1-8	1.4404	H337195	24	1	Lock washer D4			1.4301	H335172			
			D42	1.4404	H337028	25	1	Safety nut D3			1.4301	H147640			
			D43	1.4404	H337038	26	1	Thrust ring			1.4057	H123151			
2	1	Upper valve shaft	D44	1.4404	H335272	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H341262	28	1	Yoke cover D4	29		1.4301	H341311			
3	1	Lower valve shaft		1.4404	H334986	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
4	1	Shaft bearing		1.4404	H334381	30									
5	2	O-ring		EPDM	H77039										
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507				
7	1	Guide rod	8,15,16	1.4404	H341291	32	1	Spray connection DE3		PP	H168321				
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
9	1	Middle seal		EPDM	H327602	34	1	CU4 , CU4plus adapter compl.		PA6.6 GF30 black	See page 8				
				HNBR	H332652										
10	2	Seat seal		FPM	H332653	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				EPDM	H168192										
				HNBR	H171561										
11	2	Seat seal		FPM	H171559	36	1	Prox. switch holder D4 compl.		PA 6.6 GF30 black	H336751				
				EPDM	H337476										
12	3	Guide ring		EPDM	H337476	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				HNBR	H337478										
13	1	Guide band		EPDM	H337477	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				HNBR	H337477										
14	1	Quad ring		FPM	H337477	39	4	Hex. screw M8x40		A2-70	H336675				
				EPDM	H337477										
15	1	Lock nut M10x1		Igildur A500	H334863	Pos. 9, 10, 11, 12, 14 available as complete seal kits only									
				Acoflon	H334865										
16	2	Square key 3x3x10 DIN6885 Form A		EPDM	H311646					EPDM	H337884				
				A2	H118903										
17	1	Actuator		A2	H335171					FPM	H337886				
				1.4301	H335470										
18	2	O-ring	18,19,20	NBR	H337897										
			30 x 2,5												
19	2	Actuator screw		Igildur J350	H334376										
20	2	V-seal		NBR	H334379										

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Spare parts list:										Date: 16.3.18 11.10.19 08.02.24				SPX FLOW	
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 DN 50										Name: C. Keil N. Shre					
										Approved by:					
										Date:				Page 4 of 12	
										Name:				RN 501.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337181	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337171	23	1	Stop screw		Grivory	H334382				
			D41 1-8	1.4404	H337191	24	1	Lock washer D4			1.4301	H335172			
			D42	1.4404	H337024	25	1	Safety nut D3			1.4301	H147640			
			D43	1.4404	H337034	26	1	Thrust ring			1.4057	H123151			
2	1	Upper valve shaft	D44	1.4404	H335274	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H341263	28	1	Yoke cover D4	29		1.4301	H341311			
3	1	Lower valve shaft		1.4404	H334987	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
4	1	Shaft bearing		1.4404	H334381	30									
5	2	O-ring		EPDM	H77039										
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507				
7	1	Guide rod	8,15,16	1.4404	H341292	32	1	Spray connection DE3		PP	H168321				
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
9	1	Middle seal		EPDM	H327602	34	1	CU4 , CU4plus adapter compl.		PA6.6 GF30 black	See page 8				
				HNBR	H332652										
10	2	Seat seal		FPM	H332653	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				EPDM	H168192										
				HNBR	H171561										
11	2	Seat seal		FPM	H171559	36	1	Prox. switch holder D4 compl.		PA 6.6 GF30 black	H336751				
				EPDM	H337476										
12	3	Guide ring		EPDM	H337476	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				HNBR	H337478										
13	1	Guide band		FPM	H337477	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				EPDM	H337477										
14	1	Quad ring		FPM	H334863	39	4	Hex. screw M8x40		A2-70	H336675				
				EPDM	H334863										
15	1	Lock nut M10x1	12,37x 2,62	Acoflon	H334865	Pos. 9, 10, 11, 12, 14 available as complete seal kits only									
				EPDM	H311646										
16	2	Square key 3x3x10 DIN6885 Form A		A2	H118903										
				A2	H335171										
17	1	Actuator	18,19,20	1.4301	H335469										
18	2	O-ring	30 x 2,5	NBR	H337897										
19	2	Actuator screw		Igildur J350	H334376										
20	2	V-seal		NBR	H334379										

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Spare parts list:										Date: 16.3.18 11.10.19 08.02.24				SPX FLOW	
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 2"										Name: C. Keil N. Shre					
										Approved by:					
										Date:				Page 5 of 12	
										Name:				RN 501.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337186	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337176	23	1	Stop screw		Grivory	H334382				
			D41 1-8	1.4404	H337196	24	1	Lock washer D4		1.4301	H335172				
			D42	1.4404	H337029	25	1	Safety nut D3		1.4301	H147640				
			D43	1.4404	H337039	26	1	Thrust ring		1.4057	H123151				
2	1	Upper valve shaft	D44	1.4404	H335271	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H341263	28	1	Yoke cover D4	29	1.4301	H341311				
3	1	Lower valve shaft		1.4404	H334987	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
4	1	Shaft bearing		1.4404	H334381	30									
5	2	O-ring		EPDM	H77039										
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507				
7	1	Guide rod	8,15,16	1.4404	H341292	32	1	Spray connection DE3		PP	H168321				
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
9	1	Middle seal		EPDM	H327602	34	1	CU4 , CU4plus adapter compl.		PA6.6 GF30 black	See page 8				
				HNBR	H332652										
10	2	Seat seal		FPM	H332653	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				EPDM	H168192										
				HNBR	H171561										
11	2	Seat seal		FPM	H171559	36	1	Prox. switch holder D4 compl.		PA 6.6 GF30 black	H336751				
				EPDM	H337476										
12	3	Guide ring		EPDM	H337476	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				HNBR	H337478										
13	1	Guide band		FPM	H337477	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				EPDM	H337477										
14	1	Quad ring	12,37x 2,62	Iglidur A500	H334863	39	4	Hex. screw M8x40		A2-70	H336675				
15	1	Lock nut M10x1		Acoflon	H334865										
16	2	Square key 3x3x10 DIN6885 Form A		EPDM	H311646	Pos. 9, 10, 11, 12, 14 available as complete seal kits only									
17	1	Actuator	18,19,20	A2	H118903										
18	2	O-ring	30 x 2,5	A2	H335171										
19	2	Actuator screw		1.4301	H335469	1	1	Seal kit		EPDM	H337884				
20	2	V-seal		NBR	H337897	1	1	Seal kit		HNBR	H337885				
				Iglidur J350	H334376	1	1	Seal kit		FPM	H337886				

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Spare parts list:										Date: 16.3.18 11.10.19 08.02.24				SPX FLOW	
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 DN 65										Name: C. Keil N. Shre					
										Approved by:					
										Date:				Page 6 of 12	
										Name:				RN 501.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337182	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337172	23	1	Stop screw		Grivory	H334382				
			D41 1-8			24	1	Lock washer D4				H335172			
			D42	1.4404	H337025	25	1	Safety nut D3		1.4301		H147640			
			D43	1.4404	H337035	26	1	Thrust ring		1.4057		H123151			
2	1	Upper valve shaft	D44	1.4404	H334443	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H341264	28	1	Yoke cover D4	29	1.4301		H341311			
3	1	Lower valve shaft		1.4404	H334446	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
4	1	Shaft bearing		1.4404	H334381	30									
5	2	O-ring		EPDM	H77039										
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507				
7	1	Guide rod	8,15,16	1.4404	H341293	32	1	Spray connection DE3		PP	H168321				
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
9	1	Middle seal		EPDM	H327602	34	1	CU4 , CU4plus adapter compl.		PA6.6 GF30 black	See page 8				
				HNBR	H332652										
10	2	Seat seal		FPM	H332653	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				EPDM	H168192										
				HNBR	H171561										
11	2	Seat seal		FPM	H171559	36	1	Prox. switch holder D4 compl.		PA 6.6 GF30 black	H336751				
				EPDM	H337476										
12	3	Guide ring		EPDM	H337476	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				HNBR	H337478										
13	1	Guide band		FPM	H337477	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				EPDM	H337477										
14	1	Quad ring		FPM	H337477	39	4	Hex. screw M8x40		A2-70	H336675				
				EPDM	H337477										
15	1	Lock nut M10x1		Iglidur A500	H334863	Pos. 9, 10, 11, 12, 14 available as complete seal kits only									
				Acoflon	H334865										
16	2	Square key 3x3x10 DIN6885 Form A		EPDM	H311646					EPDM	H337884				
				A2	H118903										
17	1	Actuator		A2	H335171					FPM	H337886				
				1.4301	H334394										
18	2	O-ring	18,19,20	NBR	H337897										
			30 x 2,5												
19	2	Actuator screw		Iglidur J350	H334376										
20	2	V-seal		NBR	H334379										

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Spare parts list:										Date: 16.3.18 11.10.19 08.02.24				SPX FLOW	
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 2,5"										Name: C. Keil N. Shre					
										Approved by:					
										Date:				Page 7 of 12	
										Name:				RN 501.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337187	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337177	23	1	Stop screw		Grivory	H334382				
			D41 1-8	1.4404	H337197	24	1	Lock washer D4		1.4301	H335172				
			D42	1.4404	H337030	25	1	Safety nut D3		1.4301	H147640				
			D43	1.4404	H337040	26	1	Thrust ring		1.4057	H123151				
2	1	Upper valve shaft	D44	1.4404	H335270	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H341265	28	1	Yoke cover D4	29	1.4301	H341311				
3	1	Lower valve shaft		1.4404	H335391	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
4	1	Shaft bearing		1.4404	H334381	30									
5	2	O-ring		EPDM	H77039										
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507				
7	1	Guide rod	8,15,16	1.4404	H341294	32	1	Spray connection DE3		PP	H168321				
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
9	1	Middle seal		EPDM	H327602	34	1	CU4 , CU4plus adapter compl.		PA6.6 GF30 black	See page 8				
				HNBR	H332652										
10	2	Seat seal		FPM	H332653	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				EPDM	H168192										
				HNBR	H171561										
11	2	Seat seal		FPM	H171559	36	1	Prox. switch holder D4 compl.		PA 6.6 GF30 black	H336751				
				EPDM	H337476										
12	3	Guide ring		EPDM	H337476	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				HNBR	H337478										
13	1	Guide band		FPM	H337477	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				EPDM	H337477										
14	1	Quad ring		EPDM	H334863	39	4	Hex. screw M8x40		A2-70	H336675				
				HNBR	H334865										
15	1	Lock nut M10x1	12,37x 2,62	EPDM	H311646	Pos. 9, 10, 11, 12, 14 available as complete seal kits only									
				A2	H118903										
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171			1	Seal kit	EPDM	H337884				
				1.4301	H335468			1	Seal kit	HNBR	H337885				
17	1	Actuator	18,19,20	NBR	H337897			1	Seal kit	FPM	H337886				
			30 x 2,5												
18	2	O-ring													
19	2	Actuator screw		Iglidur J350	H334376										
20	2	V-seal		NBR	H334379										

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Spare parts list:										Date: 16.3.18 11.10.19 08.02.24				SPX FLOW	
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 3"										Name: C. Keil N. Shre					
										Approved by:					
										Date:				Page 8 of 12	
										Name:				RN 501.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337188	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337178	23	1	Stop screw		Grivory	H334382				
			D41 1-8	1.4404	H337198	24	1	Lock washer D4		1.4301	H335172				
			D42	1.4404	H337031	25	1	Safety nut D3		1.4301	H147640				
			D43	1.4404	H337041	26	1	Thrust ring		1.4057	H123151				
2	1	Upper valve shaft	D44	1.4404	H335275	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H341267	28	1	Yoke cover D4	29	1.4301	H341311				
3	1	Lower valve shaft		1.4404	H335392	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
4	1	Shaft bearing		1.4404	H334381	30									
5	2	O-ring		EPDM	H77039										
6	1	Yoke		1.4301	H334383	31	1	Venting plug G-1/8"		PE-Hard	H16507				
7	1	Guide rod	8,15,16	1.4404	H341296	32	1	Spray connection DE3		PP	H168321				
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
9	1	Middle seal		EPDM	H327602	34	1	CU4 , CU4plus adapter compl.		PA6.6 GF30 black	See page 8				
				HNBR	H332652										
10	2	Seat seal		FPM	H332653	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				EPDM	H168192										
				HNBR	H171561										
11	2	Seat seal		FPM	H171559	36	1	Prox. switch holder D4 compl.		PA 6.6 GF30 black	H336751				
				EPDM	H337476										
12	3	Guide ring		EPDM	H337476	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				HNBR	H337478										
13	1	Guide band		FPM	H337477	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				EPDM	H337477										
14	1	Quad ring		FPM	H334863	39	4	Hex. screw M8x40		A2-70	H336675				
				EPDM	H334863										
15	1	Lock nut M10x1	12,37x 2,62	Acoflon	H334865	Pos. 9, 10, 11, 12, 14 available as complete seal kits only									
				EPDM	H311646										
16	2	Square key 3x3x10 DIN6885 Form A		A2	H118903										
				A2	H335171										
17	1	Actuator	18,19,20	1.4301	H334394										
18	2	O-ring	30 x 2,5	NBR	H337897										
19	2	Actuator screw		Igildur J350	H334376										
20	2	V-seal		NBR	H334379										

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Spare parts list:										SPX FLOW			
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100										Date: 16.3.18 11.10.19 08.02.24			
DN 80										Name: C. Kell Sze-Si. N. Shre			
										Approved by:			
										Date:			
										Name:			
										Approved by:			
										Page 9 of 12			
										RN 501.047.01			
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.		
1	1	Housing	D41 1-6	1.4404	H337183	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825		
			D41 1-7	1.4404	H337173	23	1	Stop screw		Grivory	H334382		
			D41 1-8	1.4404	H337193	24	1	Lock washer D4		1.4301	H335172		
			D42	1.4404	H337026	25	1	Safety nut D3		1.4301	H147640		
			D43	1.4404	H337036	26	1	Thrust ring		1.4057	H123151		
2	1	Upper valve shaft	D44	1.4404	H335278	27	8	Hex. screw M8 x 16	A2	H78772			
				1.4404	H341266	28	1	Yoke cover D4	29	1.4301	H341312		
3	1	Lower valve shaft		1.4404	H335393	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707		
4	1	Shaft bearing		1.4404	H335713	30							
5	2	O-ring		EPDM	H77061	31	1	Venting plug G-1/8"		PE-Hard	H16507		
6	1	Yoke		1.4301	H335994	32	1	Spray connection DE3		PP	H168322		
7	1	Guide rod	8,15,16	1.4404	H341295	33	1	G-union 8x1-G1/8"		PVDF-black	H16388		
8	2	Retainer ring		1.4310	H14883	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 8		
9	1	Middle seal		EPDM	H327985								
				HNBR	H332649	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8		
				PPM	H332648	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751		
10	2	Seat seal		EPDM	H168153	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386		
				HNBR	H171565	38	1	Operating cam D4 top		1.4523 / 444FR	H334387		
11	2	Seat seal		PPM	H171563	39	4	Hex. screw M8x40		A2-70	H336675		
12	3	Guide ring		Iglidur A500	H335702	Pos. 9, 10, 11, 12, 14 available as complete seal kits only							
13	1	Guide band		Acoflon	H334865								
14	1	Quad ring	12,37x 2,62	EPDM	H311646								
15	1	Lock nut M10x1		A2	H118903								
16	2	Square key 3x3x10 DIN6885 Form A		A2	H335171								
17	1	Actuator	18,19,20	1.4301	H335862								
18	2	O-ring	30 x 2,5	NBR	H337897								
19	2	Actuator screw		Iglidur J350	H334376								
20	2	V-seal		NBR	H334379								

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Spare parts list:										Date: 16.3.18 11.10.19 08.02.24				SPX FLOW	
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 DN 100										Name: C. Keil Size-Si. N. Shre					
										Approved by:					
										Date:				Page 10 of 12	
										Name:				RN 501.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337184	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337174	23	1	Stop screw		Grivory	H334382				
			D41 1-8	1.4404	H337194	24	1	Lock washer D4		1.4301	H335172				
			D42	1.4404	H337027	25	1	Safety nut D3		1.4301	H147640				
			D43	1.4404	H337037	26	1	Thrust ring		1.4057	H123151				
2	1	Upper valve shaft	D44	1.4404	H335279	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H341268	28	1	Yoke cover D4	29	1.4301	H341312				
3	1	Lower valve shaft		1.4404	H335394	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
4	1	Shaft bearing		1.4404	H335713	30									
5	2	O-ring		EPDM	H77061										
6	1	Yoke		1.4301	H335994	31	1	Venting plug G-1/8"		PE-Hard	H16507				
7	1	Guide rod	8,15,16	1.4404	H341297	32	1	Spray connection DE3		PP	H168322				
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
9	1	Middle seal		EPDM	H327985	34	1	CU4 , CU4plus adapter compl.		PA6.6 GF30 black	See page 8				
				HNBR	H332649										
10	2	Seat seal		FPM	H332648	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				EPDM	H168153										
				HNBR	H171565										
11	2	Seat seal		FPM	H171563	36	1	Prox. switch holder D4 compl.		PA 6.6 GF30 black	H336751				
				EPDM	H337668										
12	3	Guide ring		EPDM	H337668	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				HNBR	H337670										
13	1	Guide band		HNBR	H337669	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				FPM	H337669										
14	1	Quad ring		FPM	H337669	39	4	Hex. screw M8x40		A2-70	H336675				
				EPDM	H337669										
15	1	Lock nut M10x1		Igildur A500	H335702	Pos. 9, 10, 11, 12, 14 available as complete seal kits only									
				Acoflon	H334865										
16	2	Square key 3x3x10 DIN6885 Form A		EPDM	H311646					EPDM	H337887				
				A2	H118903										
17	1	Actuator		A2	H335171					FPM	H337889				
				1.4301	H335862										
18	2	O-ring	18,19,20	NBR	H337897										
			30 x 2,5												
19	2	Actuator screw		Igildur J350	H334376										
20	2	V-seal		NBR	H334379										

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Spare parts list:										Date: 16.3.18 11.10.19 08.02.24				SPX FLOW	
Double seat mix proof valve D4 SL 1.5" - 4"; DN 40 - 100 4"										Name: C. Keil N. Shre					
										Approved by:					
										Date:				Page 11 of 12	
										Name:				RN 501.047.01	
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 1-6	1.4404	H337189	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 1-7	1.4404	H337179	23	1	Stop screw		Grivory	H334382				
			D41 1-8	1.4404	H337199	24	1	Lock washer D4		1.4301	H335172				
			D42	1.4404	H337032	25	1	Safety nut D3		1.4301	H147640				
			D43	1.4404	H337042	26	1	Thrust ring		1.4057	H123151				
2	1	Upper valve shaft	D44	1.4404	H335280	27	8	Hex. screw M8 x 16		A2	H78772				
				1.4404	H341268	28	1	Yoke cover D4	29	1.4301	H341312				
3	1	Lower valve shaft		1.4404	H335394	29	4	Savetix head screw M4 x 8 washer M4 as set		1.4301	H336707				
4	1	Shaft bearing		1.4404	H335713	30									
5	2	O-ring		EPDM	H77061										
6	1	Yoke		1.4301	H335994	31	1	Venting plug G-1/8"		PE-Hard	H16507				
7	1	Guide rod	8,15,16	1.4404	H341297	32	1	Spray connection DE3		PP	H168322				
8	2	Retainer ring		1.4310	H14883	33	1	G-union 8x1-G1/8"		PVDF-black	H16388				
9	1	Middle seal		EPDM	H327985	34	1	CU4 , CU4plus adapter compl.		PA6.6 GF30 black	See page 8				
				HNBR	H332649										
10	2	Seat seal		FPM	H332648	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				EPDM	H168153										
				HNBR	H171565										
11	2	Seat seal		FPM	H171563	36	1	Prox. switch holder D4 compl.		PA 6.6 GF30 black	H336751				
				EPDM	H337668										
12	3	Guide ring		EPDM	H337668	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				HNBR	H337670										
13	1	Guide band		HNBR	H337669	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				FPM	H337669										
14	1	Quad ring		FPM	H337669	39	4	Hex. screw M8x40		A2-70	H336675				
				Iglidur A500	H335702										
15	1	Lock nut M10x1	12,37x 2,62	Acoflon	H334865					EPDM	H337887				
				EPDM	H311646										
16	2	Square key 3x3x10 DIN6885 Form A		A2	H118903					HNBR	H337888				
				A2	H335171										
17	1	Actuator	18,19,20	1.4301	H335862					FPM	H337889				
18	2	O-ring	30 x 2,5	NBR	H337897										
19	2	Actuator screw		Iglidur J350	H334376										
20	2	V-seal		NBR	H334379										

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Spare parts list:															SPX FLOW				
Double seat mix proof valve D4 SL Control unit and adapter															Date:	16.3.18	11.10.19	08.02.24	
															Name:	C.Keil	Size-Si.	N.Shre	
															Approved by:				
															Date:				Page 12 of 12
															Name:				RN 501.047.01
															Approved by:				
Item	Quantity	Description	Air connections	Material	Part no.	Item	Quantity	Description	Air connections	Material	Part no.								
34	CU4 adapter D4 SL					CU4plus adapter D4 SL													
	1	CU4 D4 adapter cmpl.	/	PA 6.6 GF30 black	H337098	34	1	CU4plus D4 V2 adapter cmpl.		PA6.6 GF30 black	H341891								
												CU4 Control Units							
35	CU4 Control Units					CU4 Control Units													
	1	CU43 D4 DC		6mm	PA 6.6 GF30 black	H336955	1	CU43plus D4 V2 AS-i Ext.		6mm	PA 6.6 GF30 black	H338822							
	1	CU43 D4 M12 DC		6mm	PA 6.6 GF30 black	H341343	1	CU43plus D4 V2 M12 AS-i Ext.		6mm	PA 6.6 GF30 black	H338867							
	1	CU43 D4 AS-i Ext.		6mm	PA 6.6 GF30 black	H336957	1	CU43plus-D4-M12 IO-LINK		6mm	PA 6.6 GF30 black	H345134							
	1	CU43 D4 M12 AS-i Ext.		6mm	PA 6.6 GF30 black	H338897	1	CU43plus-D4-M12 AS-i V5		6mm	PA 6.6 GF30 black	H348035							
	1	CU43 D4 AS-i Std.		6mm	PA 6.6 GF30 black	H338152	1	CU43plus-D4-M12 Direct Connect		6mm	PA 6.6 GF30 black	H342472							
	1	CU43 D4 M12 AS-i Std.		6mm	PA 6.6 GF30 black	H338899	1	CU43plus-D4-Direct Connect		6mm	PA 6.6 GF30 black	H342452							
	1	CU43 D4 DC		1/4" OD	PA 6.6 GF30 black	H336960	1	CU43plus-D4-M12 IO-LINK		1/4"OD	PA 6.6 GF30 black	H345135							
	1	CU43 D4 M12 DC		1/4" OD	PA 6.6 GF30 black	H341352	1	CU43plus-D4-M12 AS-i V5		1/4"OD	PA 6.6 GF30 black	H348036							
	1	CU43 D4 AS-i Ext.		1/4" OD	PA 6.6 GF30 black	H336962	1	CU43plus D4 V2 AS-i Ext.		1/4" OD	PA 6.6 GF30 black	H338826							
	1	CU43 D4 M12 AS-i Ext.		1/4" OD	PA 6.6 GF30 black	H338901	1	CU43plus D4 V2 M12 AS-i Ext.		1/4" OD	PA 6.6 GF30 black	H338871							
	1	CU43 D4 AS-i Std.		1/4" OD	PA 6.6 GF30 black	H338153	1	CU43plus-D4-M12 Direct Connect		1/4" OD	PA 6.6 GF30 black	H342473							
1	CU43 D4 M12 AS-i Std.		1/4" OD	PA 6.6 GF30 black	H338903	1	CU43plus-D4-Direct Connect		1/4" OD	PA 6.6 GF30 black	H342453								

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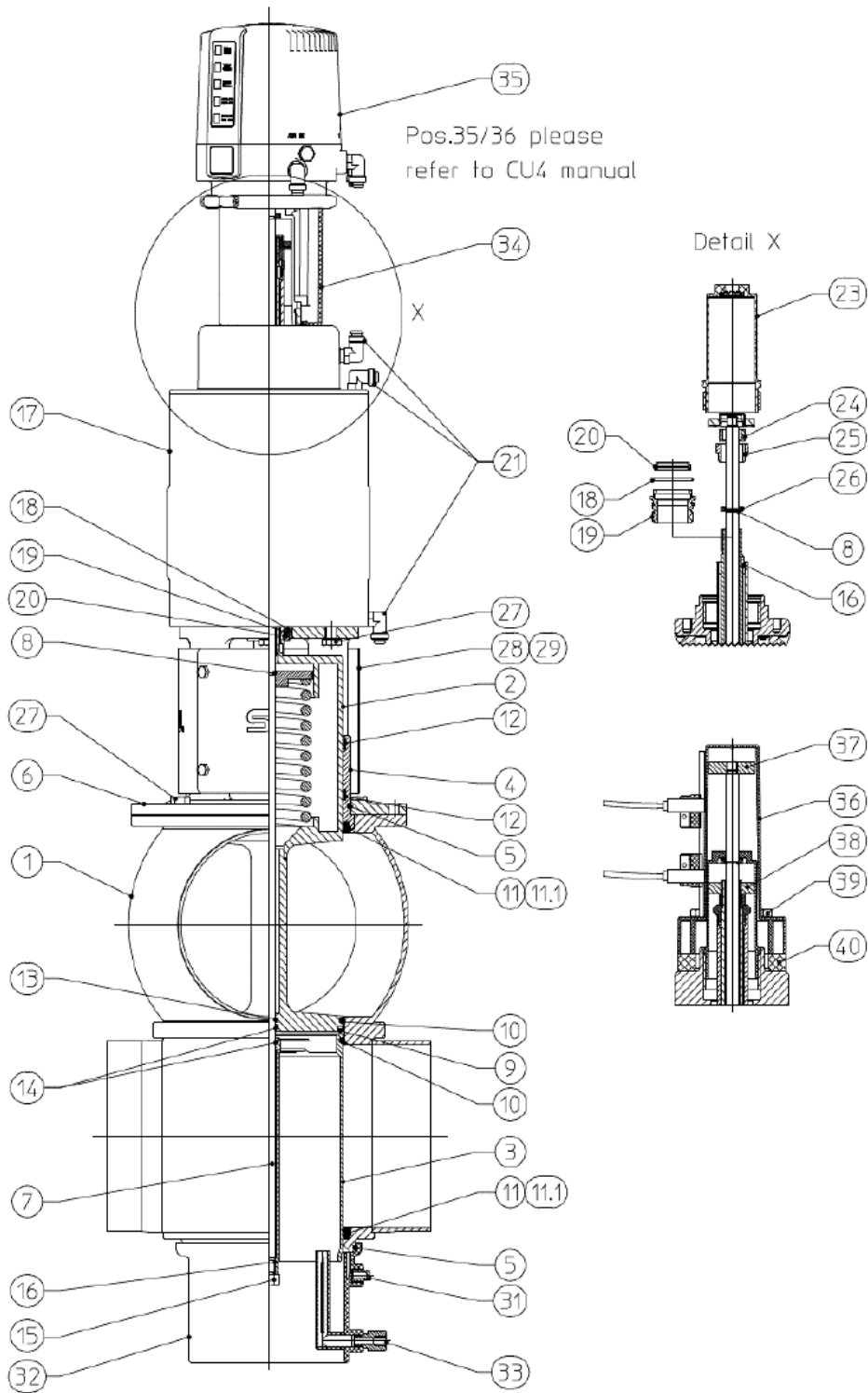
Spare parts list:

Double seat mix proof valve D4 SL 125-150-6"

Date:	11.10.19	10.06.20	08.02.24
Name:	Size-Si.	C. Keil	N. Shre
Approved by:			
Date:			
Name:			
Approved by:			

SPX FLOW

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RN 501.047.03



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Spare parts list:

mix proof valve D4 SL 125-150-6"
DN 125

Spare parts list:										SPX FLOW			
Double seat mix proof valve D4 SL 125-150-6"										Date: 11.10.19 08.02.24			
DN 125										Name: Sze-Si. N.Shre			
										Approved by:			
										Date:			
										Name:			
										Approved by:			
										Page 2 of 8			
										RN 501.047.03			
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.		
1	1	Housing	D41 / 1-6	1.4404	H340122	20	2	V-seal		NBR	H334379		
			D41 / 1-7	1.4404	H340123	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825		
			D41 / 1-8	1.4404	H340124	22							
			D42	1.4404	H340121	23	1	Stop screw		Grivory	H334382		
			D43	1.4404	H340120	24	1	Lock washer D4		1.4301	H335172		
2	1	Upper valve shaft	D44	1.4404	H340119	25	1	Safety nut D3		1.4301	H147640		
				1.4404	H341269	26	1	Thrust ring		1.4057	H123151		
				1.4404	H340230	27	8	Hex. screw M10 x 20		A2	H340472		
				1.4404	H340243	28	1	Yoke cover D4	29	1.4301	H341313		
				EPDM	H77074	29	4	Savetix head screw M6 x 8 washer M6 as set		1.4301	H340632		
10	2	Seat seal		1.4301	H340244	30							
				1.4404	H341298	31	1	Venting plug G-1/8"		PE-Hard	H16507		
				1.4310	H14883	32	1	Spray connection DE3		PP	H178450		
				EPDM	H340247	33	1	G-union 10/8-G1/4" with supp. Sleeve cpl.		1.4571	H329696		
				HNBR	H340248	34	1	CU4 , CU4plus adapter cpl.		PA6.6 GF30 black	See page 8		
11	2	Seat seal		EPDM	H173940	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8		
				HNBR	H170178	36	1	Prox. switch holder D4 cpl.		PA 6.6 GF30 black	H336751		
				PTFE	H340295	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386		
				Iglidur A500	H340198	38	1	Operating cam D4 top		1.4523 / 444FR	H334387		
				Acoflon	H334865	39	4	Hex. screw		A2-70	H336675		
11.1	2	PTFE Shaft seal	12.37x 2.62	EPDM	H311646	40	1	Spacer		PA 6.6 GF30 black			
				A2	H118903								
				A2	H335171								
				1.4301	H340197								
				NBR	H337897								
19	2	Actuator screw	18,19,20										
			30 x 2,5										

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Spare parts list:

**Double seat mix proof valve D4 SL 125-150-6"
DN 125**

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Spare parts list:										11.10.19 08.02.24		SPX FLOW	
Double seat mix proof valve D4 SL 125-150-6" DN 150										Date:			
										Name:		Size-Si. N.Shre	
										Approved by:			
										Date:		Page 4 of 8	
										Name:		RN 501.047.03	
										Approved by:			
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.		
1	1	Housing	D41 / 1-6	1.4404	H340135	20	2	V-seal		NBR	H334379		
			D41 / 1-7	1.4404	H340136	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825		
			D41 / 1-8	1.4404	H340137	22							
			D42	1.4404	H340134	23	1	Stop screw		Grivory	H334382		
			D43	1.4404	H340133	24	1	Lock washer D4		1.4301	H335172		
2	1	Upper valve shaft	D44	1.4404	H340132	25	1	Safety nut D3		1.4301	H147640		
				1.4404	H341270	26	1	Thrust ring		1.4057	H123151		
				1.4404	H340311	27	8	Hex. screw M10 x 20		A2	H340472		
				1.4404	H340322	28	1	Yoke cover D4	29	1.4301	H341314		
				EPDM	H77081	29	4	Savetix head screw M6 x 8 washer M6 as set		1.4301	H340632		
7	1	Guide rod		1.4301	H340323	30							
			8,15,16	1.4404	H341299	31	1	Venting plug G-1/8"		PE-Hard	H16507		
				1.4310	H14883	32	1	Spray connection DE3		PP	H200320		
				EPDM	H340325	33	1	G-union 10/8-G1/4" with supp. Sleeve cpl.		1.4571	H329696		
				HNBR	H340326	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 8		
10	2	Seat seal		EPDM	H173739	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8		
				HNBR	H173738	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751		
				FPM	H338070	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386		
				EPDM	H77628	38	1	Operating cam D4 top		1.4523 / 444FR	H334387		
				HNBR	H170177	39	4	Hex. screw		A2-70	H340751		
11	2	Seat seal		FPM	H77627	40	1	Spacer		PA 6.6 GF30 black	H340179		
				PTFE	H340328								
				Iglidur A500	H340182								
				Acoflon	H334865								
				EPDM	H311646								
11.1	2	PTFE Shaft seal	12.37x 2.62		H311646								
				A2	H118903								
				A2	H335171								
				A2	H340181								
				A2	H337897								
12	2	Guide ring			H337897								
13	1	Guide band											
14	2	Quad ring											
15	2	Lock nut M10x1											
16	2	Square key DIN6885 - A - 3x3x10											
17	1	Actuator											
18	2	O-ring											
19	2	Actuator screw											

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Spare parts list:

**Double seat mix proof valve D4 SL 125-150-6"
DN 150**

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Spare parts list:										Date: 11.10.19 08.02.24			SPX FLOW		
Double seat mix proof valve D4 SL 125-150-6" 6"										Name: Sze-Si. N.Shre					
										Approved by:					
										Date:			Page 6 of 8		
										Name:			RN 501.047.03		
										Approved by:					
Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.	Item	Quantity	Description	Included in spare parts (Pos.)	Material	Part no.				
1	1	Housing	D41 / 1-6	1.4404	H340141	20	2	V-seal		NBR	H334379				
			D41 / 1-7	1.4404	H340142	21	3	W-union G1/8" Ø6mm		hard nickel-plated	H208825				
			D41 / 1-8	1.4404	H340143	22									
			D42	1.4404	H340140	23	1	Stop screw		Grivory	H334382				
			D43	1.4404	H340139	24	1	Lock washer D4		1.4301	H335172				
2	1	Upper valve shaft	D44	1.4404	H340138	25	1	Safety nut D3		1.4301	H147640				
				1.4404	H341270	26	1	Thrust ring		1.4057	H123151				
				1.4404	H340311	27	8	Hex. screw M10 x 20		A2	H340472				
				1.4404	H340322	28	1	Yoke cover D4	29	1.4301	H341314				
				EPDM	H77081	29	4	Savetix head screw M6 x 8 washer M6 as set		1.4301	H340632				
7	1	Guide rod		1.4301	H340323	30									
			8,15,16	1.4404	H341299	31	1	Venting plug G-1/8"		PE-Hard	H16507				
				1.4310	H14883	32	1	Spray connection DE3		PP	H200320				
				EPDM	H340325	33	1	G-union 10/8-G1/4" with supp. Sleeve cpl.		1.4571	H329696				
				HNBR	H340326	34	1	CU4 , CU4plus adapter cmpl.		PA6.6 GF30 black	See page 8				
10	2	Seat seal		EPDM	H173739	35	1	CU43 , CU43plus .		PA6.6 GF30 black	See page 8				
				HNBR	H173738	36	1	Prox. switch holder D4 cmpl.		PA 6.6 GF30 black	H336751				
				FPM	H338070	37	1	Operating cam D4 bottom		1.4523 / 444FR	H334386				
				EPDM	H77628	38	1	Operating cam D4 top		1.4523 / 444FR	H334387				
				HNBR	H170177	39	4	Hex. screw		A2-70	H340751				
11	2	Seat seal		FPM	H77627	40	1	Spacer		PA 6.6 GF30 black	H340179				
				PTFE	H340328										
				Iglidur A500	H340182										
				Acoflon	H334865										
				EPDM	H311646										
11.1	2	PTFE Shaft seal	12.37x 2.62	EPDM	H311646										
				A2	H118903										
				A2	H335171										
				A2	H340181										
				A2	H337897										
16	2	Square key DIN6885 - A - 3x3x10													
				1.4301	H340181										
				NBR	H337897										
				Iglidur J350	H334376										
				Iglidur J350	H334376										

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Spare parts list:

Double seat mix proof valve D4 SL 125-150-6"
6"

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Spare parts list:											
Double seat mix proof valve D4 SL Control unit and adapter											
Date: 11.10.19 08.02.24										SPX FLOW	
Name: Sze-Si. N.Shre											
Approved by:											
Date:										Page 8 of 8	
Name:										RN 501.047.03	
Approved by:											
Item	Quantity	Description	Air connections	Material	Part no.	Item	Quantity	Description	Air connections	Material	Part no.
34	CU4 adapter D4 SL										
	1	CU4 D4 adapter cmpl.	/	PA 6.6 GF30 black	H337098	CU4plus adapter D4 SL					
						34	1	CU4plus D4 V2 adapter cmpl.		PA6.6 GF30 black	H341891
35	CU4 Control Units										
	1	CU43 D4 DC	6mm	PA 6.6 GF30 black	H336955	1	CU43plus D4 V2 AS-i Ext.	6mm	PA 6.6 GF30 black	H338822	
	1	CU43 D4 M12 DC	6mm	PA 6.6 GF30 black	H341343	1	CU43plus D4 V2 M12 AS-i Ext.	6mm	PA 6.6 GF30 black	H338867	
	1	CU43 D4 AS-i Ext.	6mm	PA 6.6 GF30 black	H336957	1	CU43plus-D4-M12 IO-LINK	6mm	PA 6.6 GF30 black	H345134	
	1	CU43 D4 M12 AS-i Ext.	6mm	PA 6.6 GF30 black	H338897	1	CU43plus-D4-M12 AS-i V5	6mm	PA 6.6 GF30 black	H348035	
	1	CU43 D4 AS-i Std.	6mm	PA 6.6 GF30 black	H338152	1	CU43plus-D4-M12 Direct Connect	6mm	PA 6.6 GF30 black	H342472	
	1	CU43 D4 M12 AS-i Std.	6mm	PA 6.6 GF30 black	H338899	1	CU43plus-D4-Direct Connect	6mm	PA 6.6 GF30 black	H342452	
	1	CU43 D4 DC	1/4" OD	PA 6.6 GF30 black	H336960	1	CU43plus-D4-M12 IO-LINK	1/4"OD	PA 6.6 GF30 black	H345135	
	1	CU43 D4 M12 DC	1/4" OD	PA 6.6 GF30 black	H341352	1	CU43plus-D4-M12 AS-i V5	1/4"OD	PA 6.6 GF30 black	H348036	
	1	CU43 D4 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H336962	1	CU43plus D4 V2 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338826	
	1	CU43 D4 M12 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338901	1	CU43plus D4 V2 M12 AS-i Ext.	1/4" OD	PA 6.6 GF30 black	H338871	
	1	CU43 D4 AS-i Std.	1/4" OD	PA 6.6 GF30 black	H338153	1	CU43plus-D4-M12 Direct Connect	1/4" OD	PA 6.6 GF30 black	H342473	
	1	CU43 D4 M12 AS-i Std.	1/4" OD	PA 6.6 GF30 black	H338903	1	CU43plus-D4-Direct Connect	1/4" OD	PA 6.6 GF30 black	H342453	

APV D4 / D4 SL

DOBBELTSÆDE MIX PROOF VENTILER



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Udstedelsesdato: 09/2020 - Oversættelse af originalbetjeningsvejledningen

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