



FITTING INSTRUCTIONS

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1. User instructions

General

This manual is the user guide for handling, using and maintaining the machine.

Read this manual carefully and keep it handy for future reference. Pass it on to any other user, including when the machine is sold or loaned.

Carry out specified maintenance to keep the machine in full working order and to ensure sustained reliability.

Washing



CAUTION: Never direct high-pressure sprays towards electrical components (housings, wiring looms, connectors, etc.).

Electrical/electronic components may fail if they are subjected to water at high pressure.

Safety

Read the safety rules and follow all recommendations and instructions.

Before using the FLEXPILLOT, please read the “Loader user manual”, to fully familiarise yourself with:

- Loader and implement hitching and unhitching operations.
- The operation of the FLEXPILLOT controls covered in this manual.

Spare parts



DANGER: Failure to follow these guidelines may make your machine unsafe. The manufacturer will not be held liable in the event of damage or injury.

Only use spare parts and accessories that comply with the manufacturer's recommendations.

Do not carry out any modifications, whether yourself or anyone else, on the machine and its attachments (mechanical, electrical, hydraulic or pneumatic) without first requesting express approval from the manufacturer.

Warranty

Warranty cover will cease immediately in the event of failure to observe the standards and instructions for use and maintenance of the machine as given in this manual.

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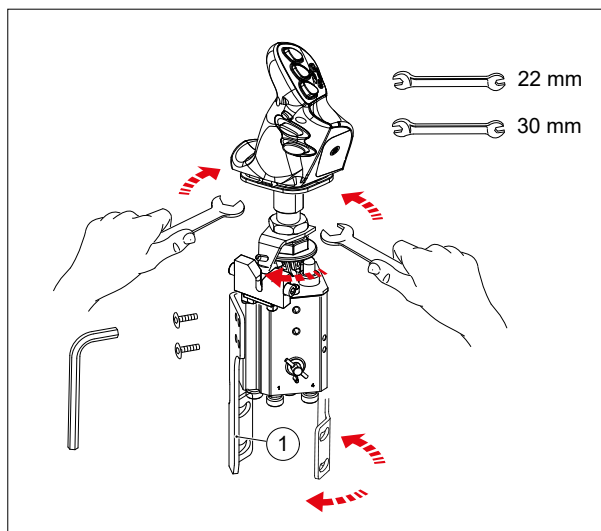


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3. Monolever mounting

CAUTION: Monolever support mounting varies, depending on the tractor. Please refer to the hydraulic installation instructions for fitting the support, drilling, and routing the hose loom. Adjustment of the FLEXPILOT position must be carried out in the presence of the **user**, to ensure comfortable loader control operation.

Possible adjustments of the support (1).



**CAUTION:**

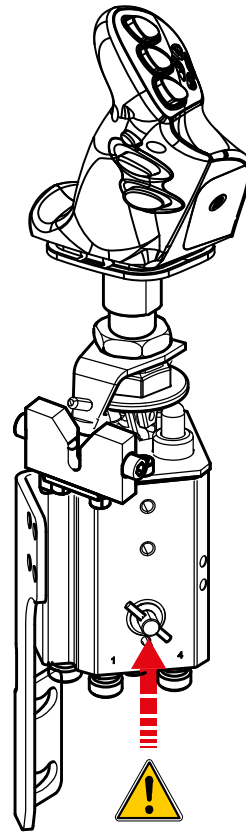
For your safety, the shut-off valve should be in the OFF position at all times during installation.



ON

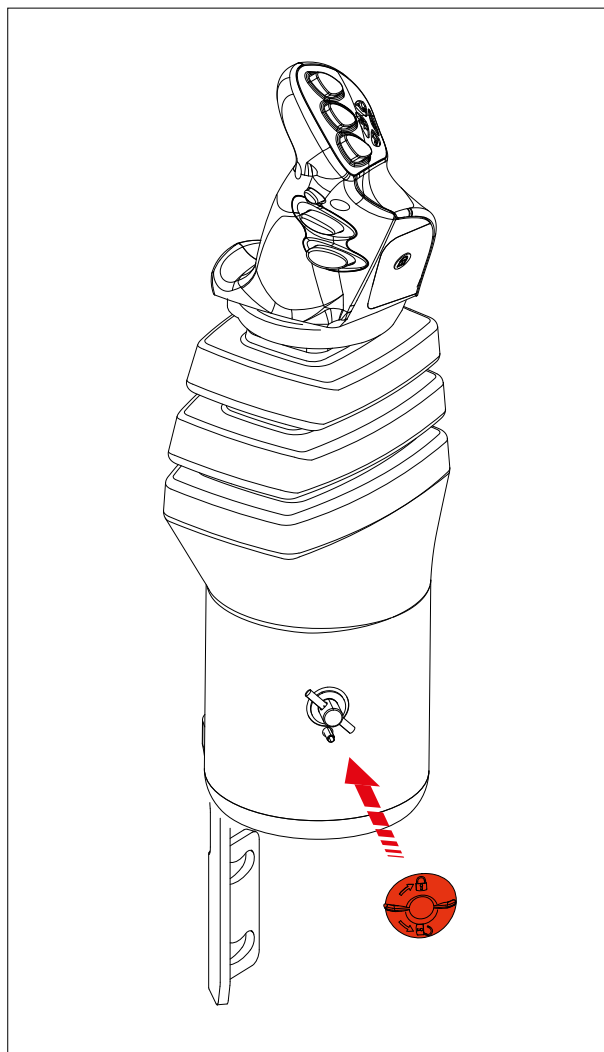


OFF

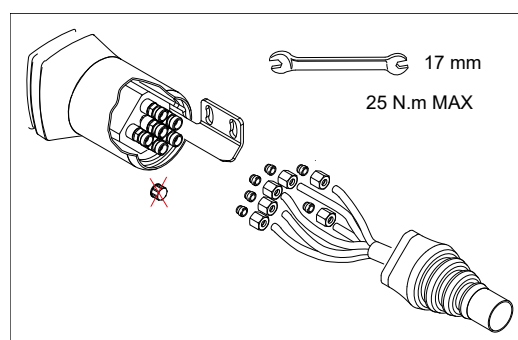
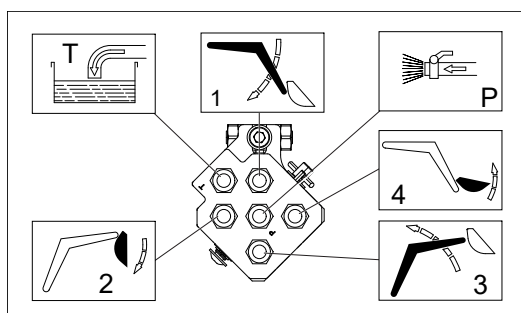


4. Connecting the monolever and the control valve

1. Install the upper bellows.
2. Fit the cap on the shut-off valve.

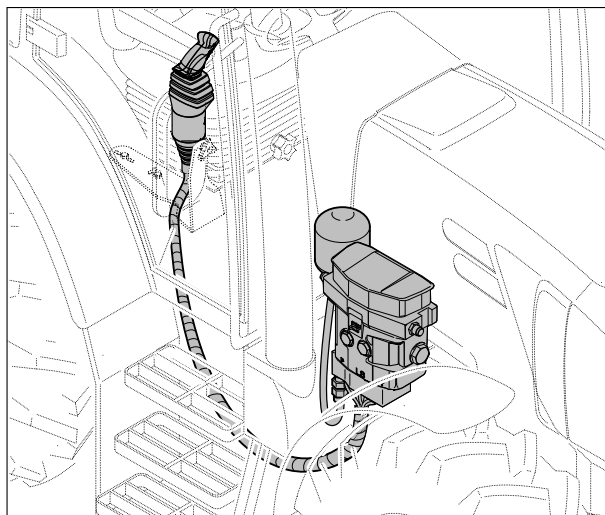


Connect the hoses to the monolever in accordance with the markings.



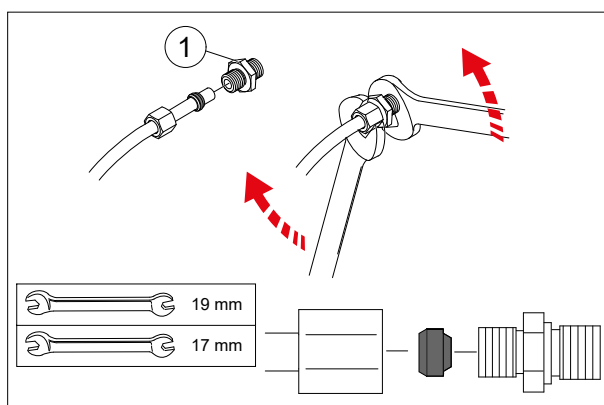
Cut the Ø 8 mm hoses to the required length.

- Minimum bend radius of the sheath = 95 mm.
- No pinching.
- No bending.



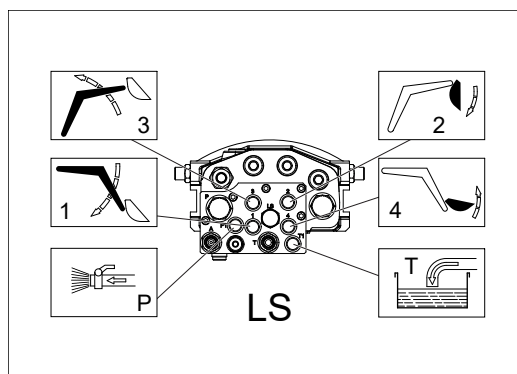
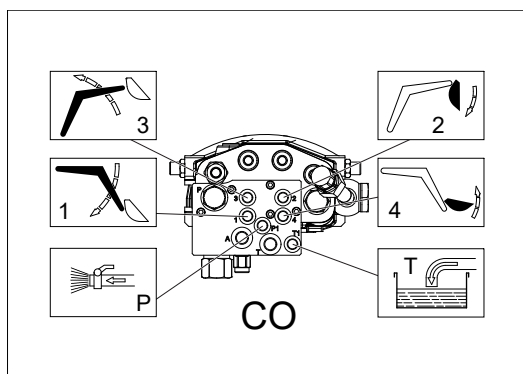
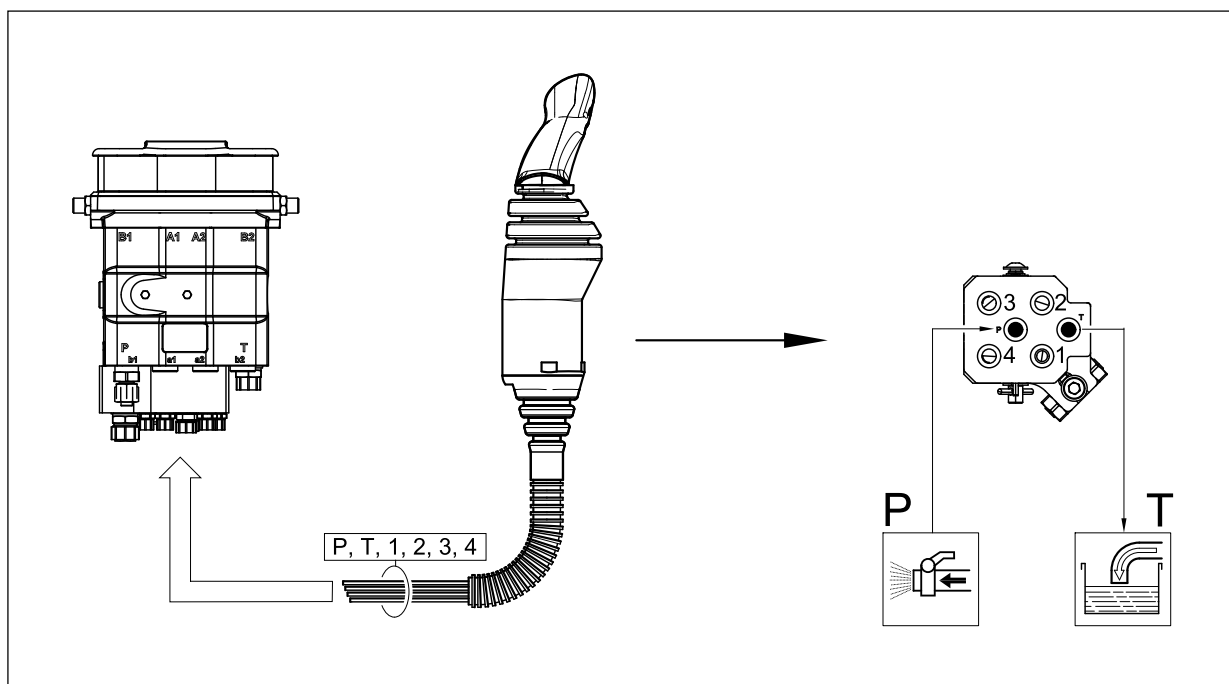
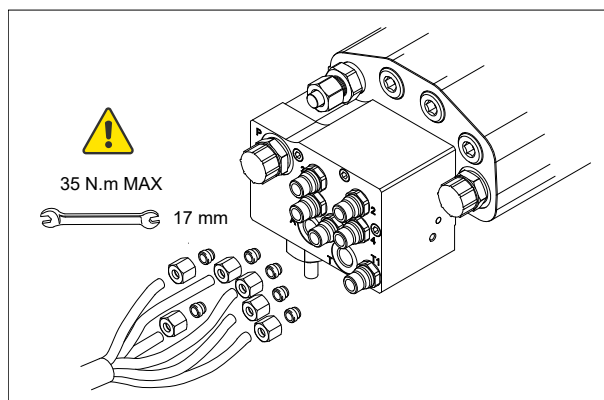
Crimp the hoses using the crimp fitting (1).

1. Fit the nut onto the hose.
2. Fit the olive onto the hose, if it is not already seated in the nut (ensure the olive is fitted the right way round).
3. Hand-tighten the nut onto the connection.
4. Tighten with a spanner until resistance is felt (about 1 turn).
5. Tighten the nut fully, with an additional 1/6 turn (one flat).



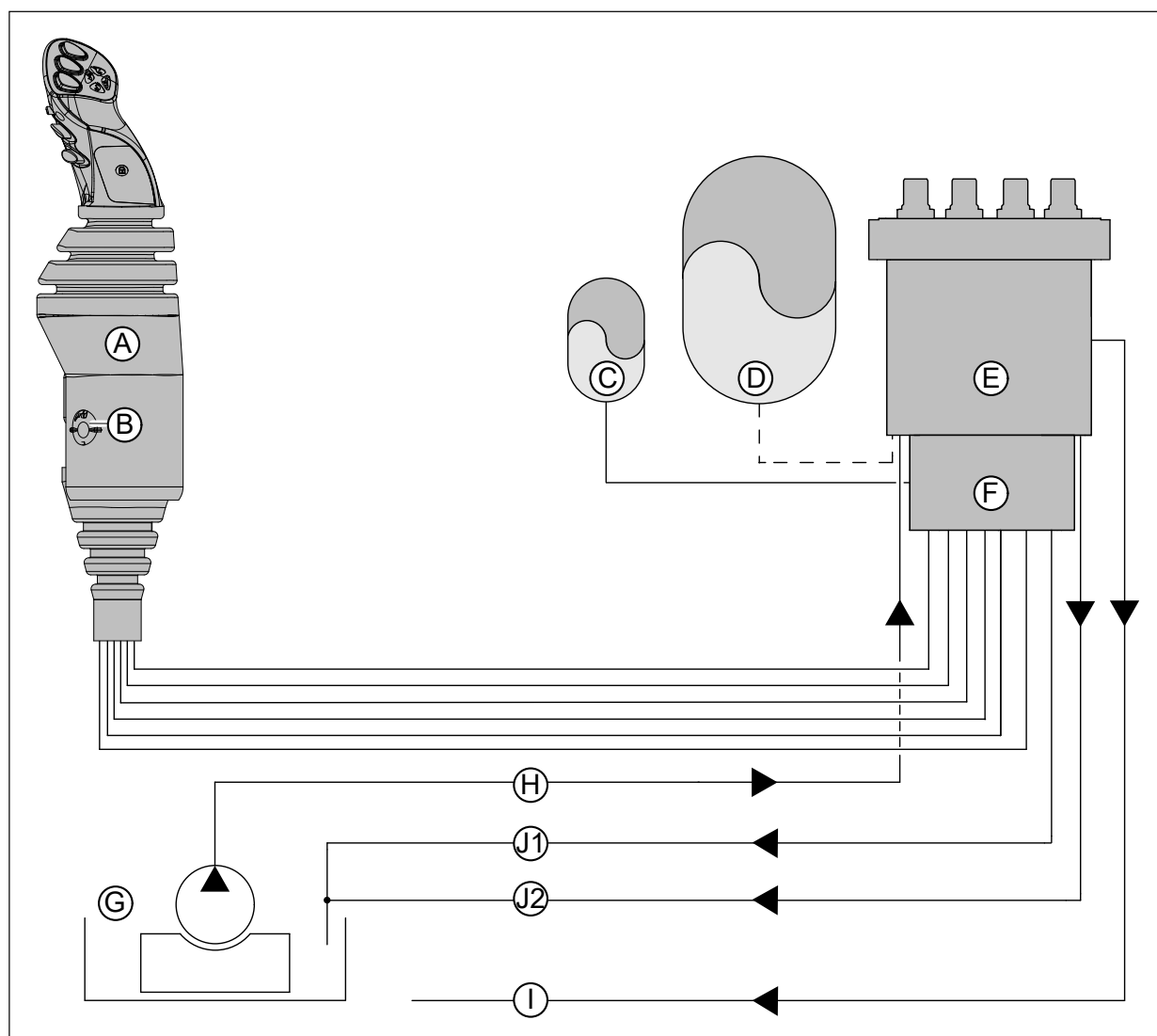
5. Connection to the Flexpilot AGBP control valve

Connect the Ø 8 mm hoses to the control valve in accordance with the markings [1, 2, 3, 4, P, T].



Flexpilot AGBP control valve - System functional diagram

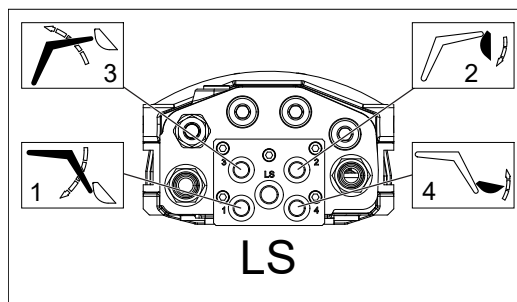
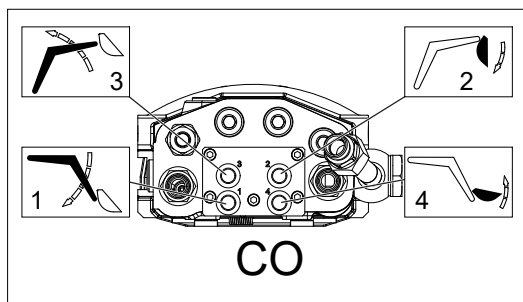
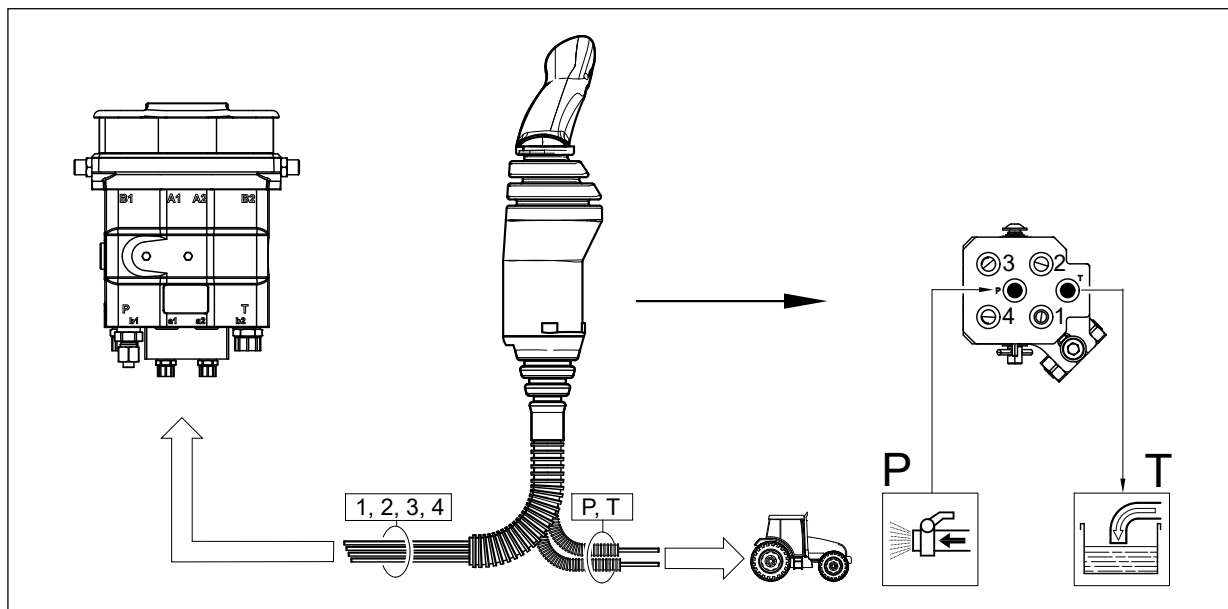
The main control valve is controlled by a low-pressure pilot circuit, supplied by the control valve and regulated by the monolever.



Marking	Description
(A)	Monolever
(B)	Shut-off valve
(C)	Low pressure accumulator
(D)	Shock Eliminator accumulator (option)
(E)	Control valve
(F)	Low-pressure unit
(G)	Reservoir
(H)	High pressure circuit
(I)	Carry over
J1	Low-pressure unit drain
J2	Tank return

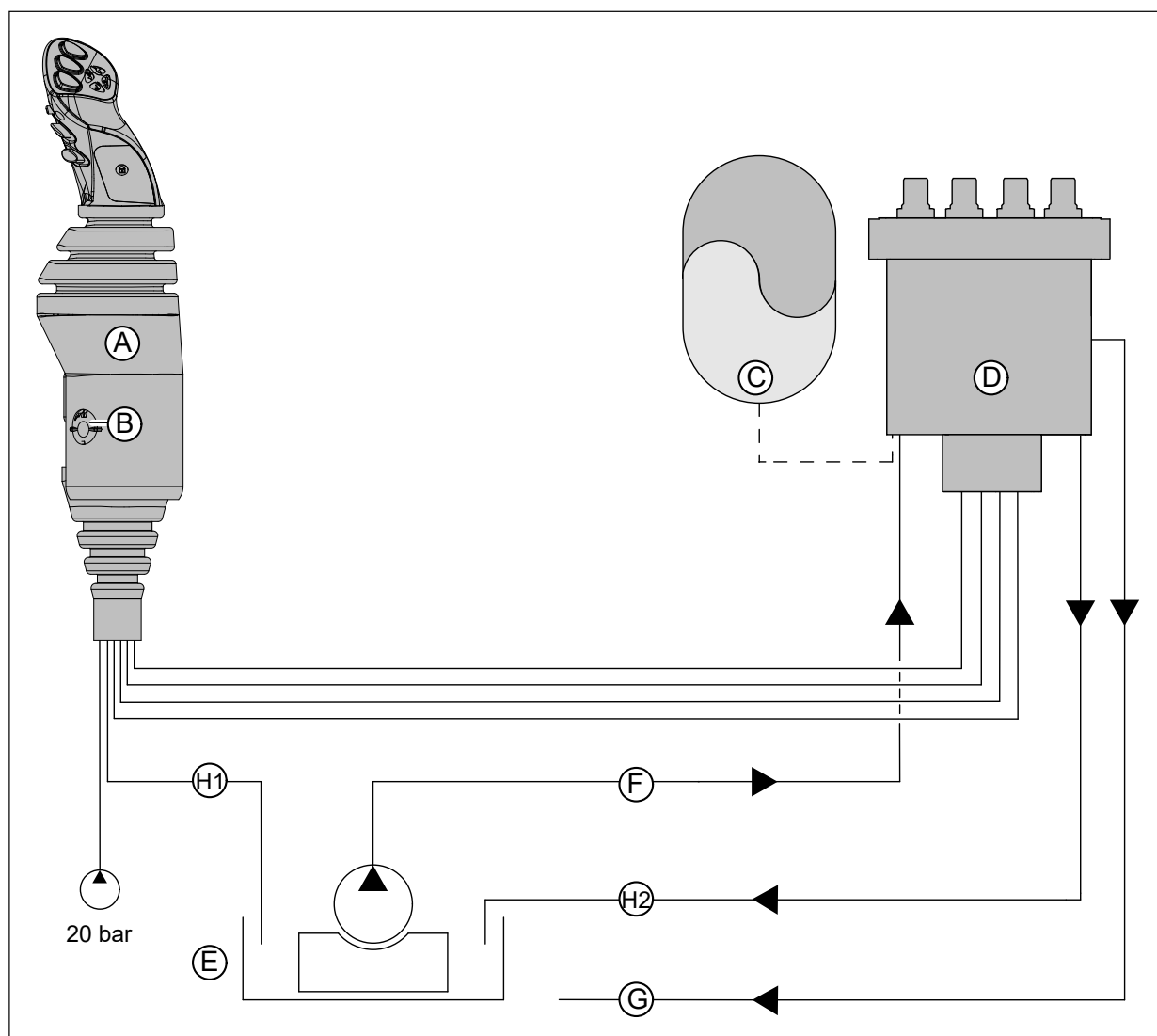
6. Connection to the Flexpilot SGBP control valve

Connect the Ø 8 mm hoses marked [1, 2, 3, 4] to the control valve and [P, T] to the tractor (see hydraulic assembly instructions).



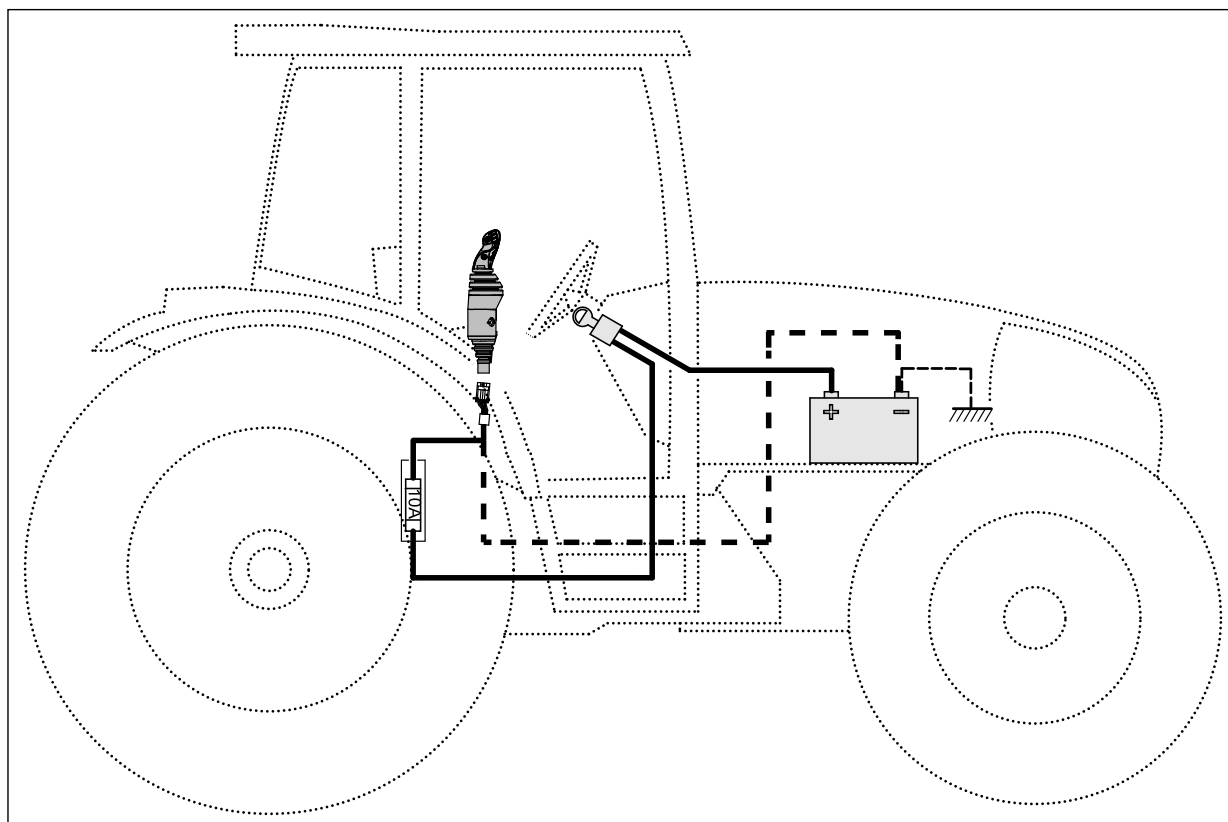
Flexpilot SGBP control valve - System function diagram

The main control valve is controlled by a low-pressure pilot circuit and regulated by the monolever. The monolever is supplied by the tractor's low pressure circuit.



Marking	Description
(A)	Monolever
(B)	Shut-off valve
(C)	Low pressure accumulator
(D)	Control valve
(E)	Reservoir
(F)	High pressure circuit
(G)	Carry over
(H1)	Tank return
(H2)	Tank return

7. Electrical power supply



IMPORTANT: The power supply should be taken from a 12 V DC circuit, downstream of the tractor ignition, capable of delivering 10 A. The wiring loom's protective fuse must have a maximum rating of 10 A.

The blue wire (-) (ground) of the electric cabling must be connected to the (-) battery terminal.

—



Marking	Description
(B)	Yellow
(C)	Green
(D)	Blue or Grey
(E)	White
(F)	Black or Brown
(G)	Red or Pink
(H)	Red (+ permanent)
(I)	Orange (Fast-lock)
(J)	Black
(K)	Blue (- Ground)
(L)	Brown (3rd function)
(M)	Yellow/green (4th function)
(N)	Brown
(P)	+ After ignition

Note: Buttons (B1), (B2) and (B3): 12 V 50 mA max. The customer is responsible for the connection.

8.1. Parts list

Rep. Fig. Pos. Fig. Rif. Fig.	Réf. Parts No Teil-Nr. Ref. Rif. Nr	Qté. Qty Menge Cant. Qtà Il.	Dimension. Dimension Maße Dimensión Dimensione Wymiar	Français	English	Deutsch	Español	Italiano	Polski
1	525488	1		FAISCEAU ÉLEC- TRIQUE (POIGNEE 3-6 BOUTONS)	ELECTRIC WIRING LOOM (3-6 BUT- TONS)	KABELBUNDEL (3-6 KNOPF)	CABLE ELÉCTRICO (3-6 BOTONES)	CABLAGGIO ELET- TRICO (IMPUGNA- TURA 3-6 PULSANTI)	PRZEWODY ELEKTR. (3-6 PRZY- CISKI)
101	306358	1		PORTE FUSIBLE	FUSE HOLDER	SICHERUNGSHAL- TERUNG	SOPORTE DE FUSIBLE	PORTA FUSIBILE	SKRZYŃKA BEZ- PIECZNIKOWA
102	306361	1	10 A	FUSIBLE	FUSE	SICHERUNG	FUSIBLE	FUSIBILE	BEZPIECZNIK
2	306275	1		FAISCEAU ÉLEC- TRIQUE (SANS DISPOSITIF SECU)	ELECTRIC WIRING LOOM (WITHOUT SAFETY DEVICE)	KABELBUNDEL (OHNE SICHERHEITSVORKEHRUN- GEN)	CABLE ELÉCTRICO (SIN DISPOSITIVO DE SEGURIDAD)	FASCIO ELETTRICO (SENZA DISPOS- TIVO DI SICUREZZA)	PRZEWODY ELEKTR (BEZ ZABEZPIECZENIA)
2bis	525758	1		FAISCEAU ÉLEC- TRIQUE (AVEC DISPOSITIF SECU)	ELECTRIC WIRING LOOM (WITH SAFETY DEVICE)	KABELBUNDEL (MIT SICHERHEITSVORKEHRUN- GEN)	ELECTRIC WIRING LOOM (WITH SAFETY DEVICE)	CABLAGGIO ELET- TRICO (CON DISP. DI SICUREZZA)	PRZEWODY ELEKTR (Z ZABEZ- PIECZENIA)

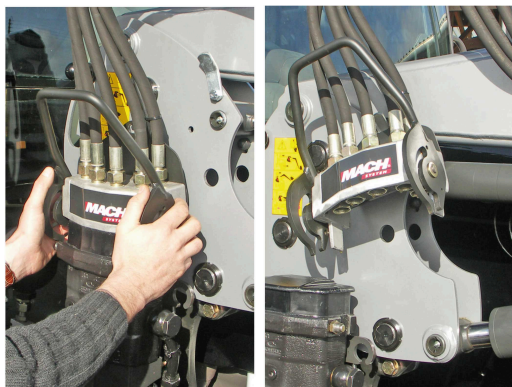


CAUTION: Use wiring loom 2 B instead of wiring loom 2 only for installation of the safety option (lifting/dumping).

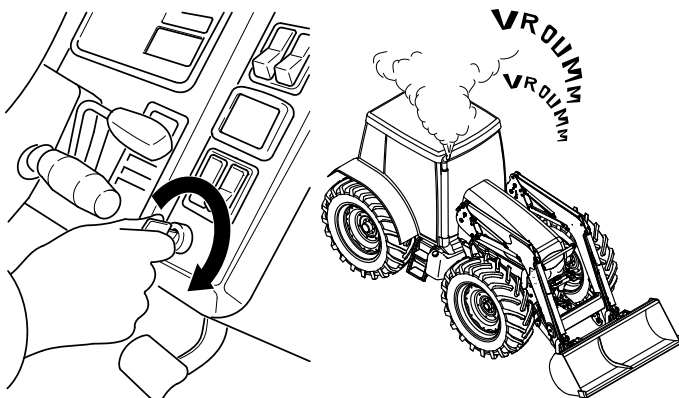
9. Bleeding the hydraulic circuit

 **CAUTION:** Hydraulic circuit drainage to be performed upon first use.

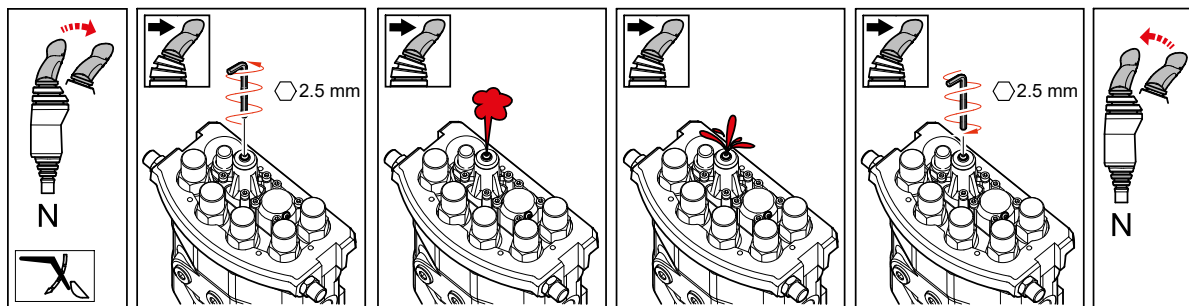
1



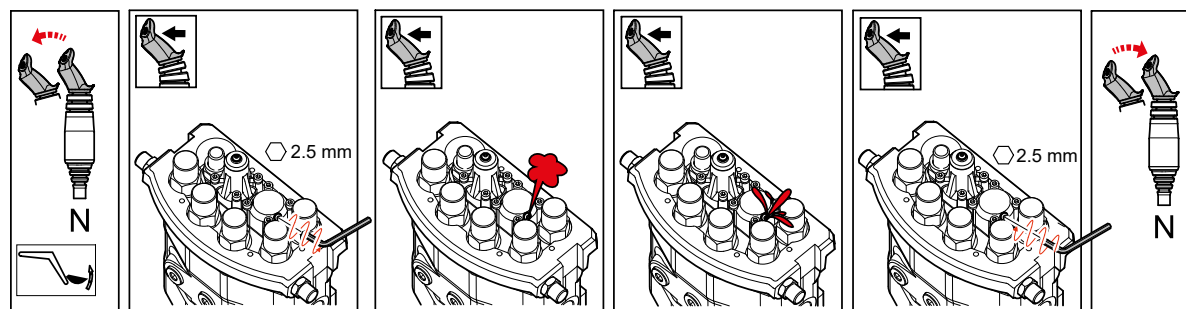
2



3



4



10. Control

 **WARNING:** Never leave the tractor with the loader raised.

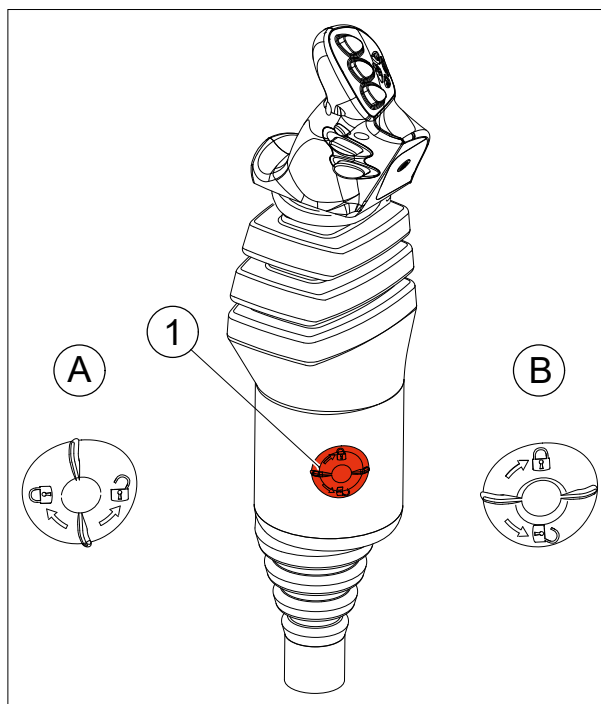
Every spool control valve generates an internal leak required for proper operation.

10.1. Safety

To prevent any accidental movement of the loader, the FLEXPILOT monolever can be locked.

Turn the isolating thumbwheel (1) to lock it in place:

- (A): unlocked position.
- (B): locked position.



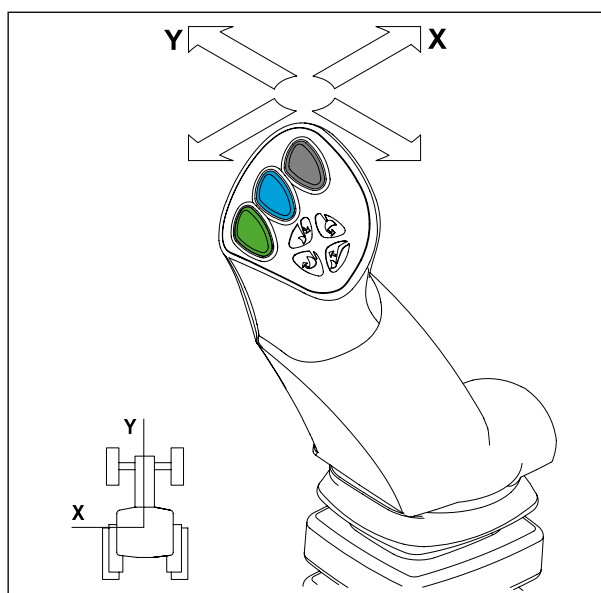
10.2. Movements

1st function: along y-axis

- Forwards = loader lowering (Double-action hydraulic ram operation).
- Forwards after notching = floating position (Single-action hydraulic ram operation).
- Backwards = loader raised.

2nd function: along x-axis

- To the left = implement crowding.
- To the right = implement dumping.



3rd function: along x-axis

— Button (1) + crowding or dumping movement.

4th function: along x-axis

— Button (2) + crowding or dumping movement.

FAST-LOCK

Automatic hitching/unhitching of the implement.

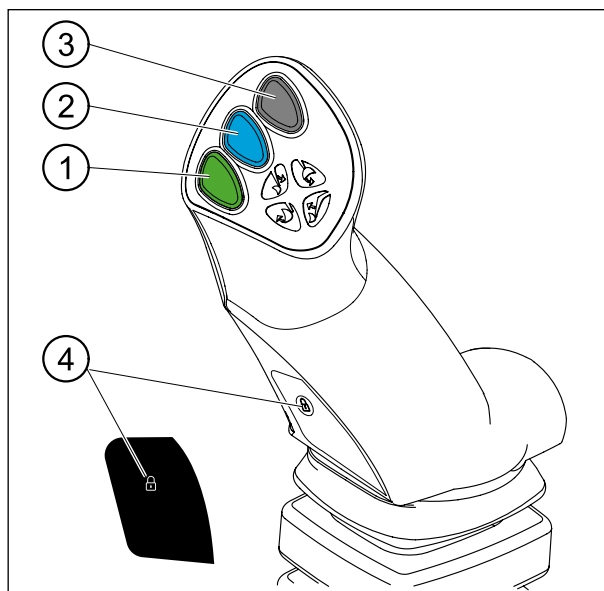
— Button (1) + (4) + crowding or dumping movement.

SPEED-LINK 2

Automatic implement hitching/unhitching with hydraulic and electric functions.

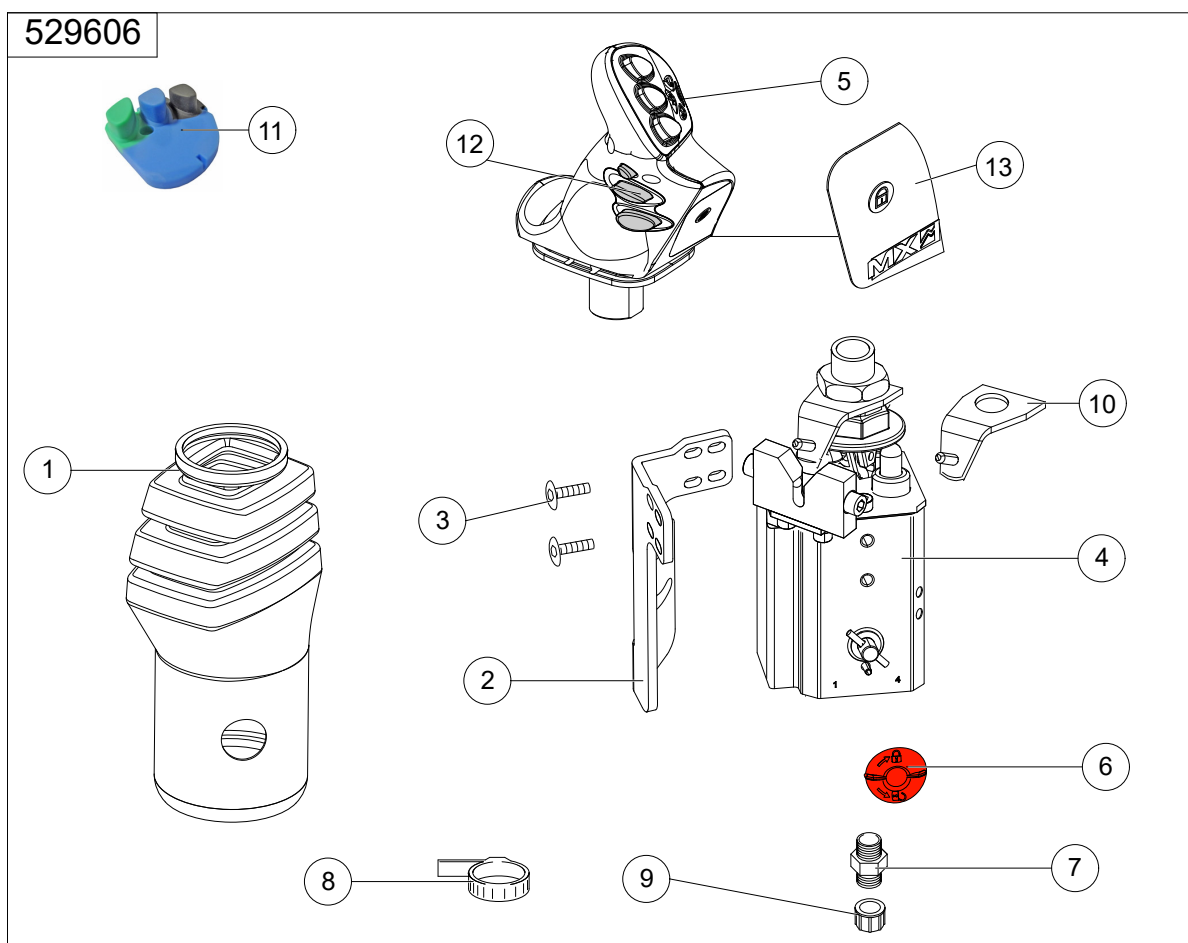
— Button (1) + (4) + crowding or dumping movement.

NOTE: Button (3) is not used, button (4) is only available with the FAST-LOCK or SPEED-LINK 2 option.



11. Spare parts

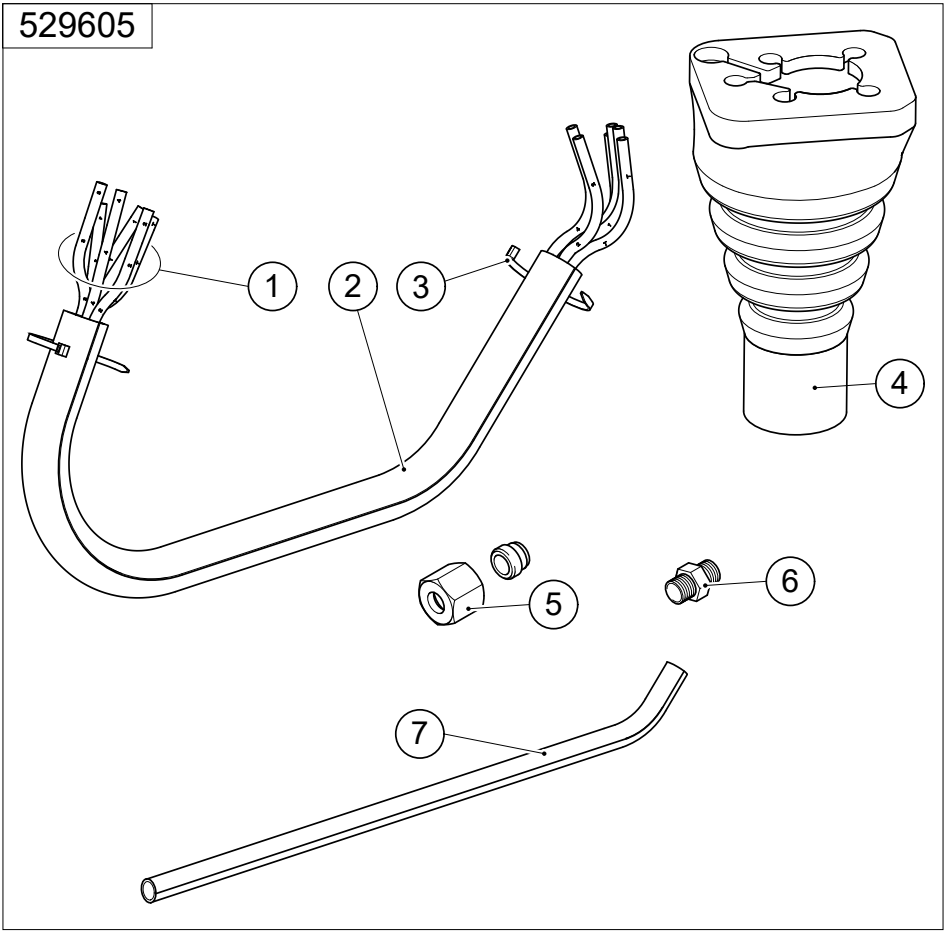
11.1. Flexpilot monolever



11.2. Parts list

Rep. Fig. Pos. Fig. Rif. Fig.	Réf. Parts No Teil-Nr. Ref. Rif. Nr	Qté. Qty Menge Cant. Qtà Il.	Dimension. Dimension Maße Dimensión Dimensione Wymiar	Français	English	Deutsch	Español	Italiano	Polski
1	529480	1		SOUFFLET	BELLOWS	BALG	BELLOWS	SOFFIETTO	MIESZEK
2	526239	1		SUPPORT	SUPPORT	UNTERSTÜTZUNG	SOPORTE	SUPPORTO	WSPARCIE
3	510373	2	M6 X 12 P:1 10.9 ZN	VIS	SCREW	SCHRAUBE	TORNILLO	VITE	ŚRUBA
4	529503	1		MANIPULATEUR FLEXPILOT ALU AVEC ROBINET	FLEXPILOT ALU MONOLEVER WITH VALVE	FLEXPILOT BEDIENHEBEL MIT HAHN	MANIPULADOR FLEXPILOT ALU CON GRIFO	MANIPOLATORE FLEXPILOT IN ALLUMINIO CON VALVOLA	ALUMINIOWY MANI- PULATOR FLEXPI- LOT Z KRANEM
5	525156	1		POIGNEE	7-BUTTON HANDLE	7-TASTEN-GRIFF	EMPUÑADURA DE 7 BOTONES	IMPUGNATURA A 7 PULSANTI	UCHWYT Z 7 PRZY- CISKAMI
6	526519	1	ON/OFF	BOUTON	BUTTON	KNOPF	BOTON	PULSANTE	PRZYCISK
7	529966	6	UM/8L - 12X150 + JOINT	UNION	UNION	VERBINDUNGSS- TÜCK	UNIÓN	UNIONE	ZŁĄCZE
8	527546	1	280 X 4.8	COLLIER PLAS- TIQUE	BLACK PLASTIC STRAP	SCHWARZ PLAS- TIKRING	ABRAZADERA DE PLÁSTICO NEGRO	FASCETTA IN PLAS- TICA NERO	CZARNY PLASTI- KOWA FIOLETOWA
9	334207	6	D 14 (P:150)	BOUCHON PLAS- TIQUE JAUNE	YELLOW PLASTIC COVER	GELBER PLASTIKS- TOPFEN	TAPÓN DE PLÁS- TICO AMARILLO	TAPPO IN PLAS- TICA GIALLO	KOREK PLASTI- KOWY ŻÓŁTY
10	581159	1		SUPPORT VERROU FLEXPILOT	FLEXPILOT LOCK HOLDER	FLEXPILOT- SCHLOSSHALTER	SOPORTE DE CER- RADURA FLEXPILOT	PORTABLOCCO FLEXPILOT	UCHWYT ZAMKA FLEXPILOT
11	536405	1		KIT REMPLACE- MENT CLAVIER 3 BOUTONS	REPLACEMENT KIT 3-BUTTON KEYPAD	ERSATZ-SET DER TASTATUR MIT DREI KNÖPFEN	KIT DE SUSTITU- CIÓN DEL TECLADO DE 3 BOTONES	KIT DI SOSTITU- ZIONE TASTIERA 3 PULSANTI	ZESTAW WYMIEN- NY KLAWIATURA 3 PRZYCISKI
12	540979	1		CLAVIER ELASTO- MERE ARRIERE 3 BOUTONS	REAR ELASTO- MER KEYBOARD 3 BUTTONS	HINTERE ELASTO- MER-TASTATUR 3 TASTEN	TECLADO DE ELAS- TÓMERO TRASERO EN LA EMPUÑADU- RA - 3 BOTONES	TASTIERA POSTE- RIORE IN ELASTO- MERO SULL'IM- PUGNATURA - 3 PULSANTI	TYLNA KLAWIATU- RA Z ELASTOMERU NA DŹWIGNI - 3 DOSTĘPNE
13	541996	1		XB LEXAN 1 BOUTON	XB LEXAN 1 BUTTON	XB LEXAN 1 TAS- TEN	XB LEXAN 1 BOTÓN	XB LEXAN 1 PUL- SANTE	XB LEXAN 1 PRZY- CISK

11.3. Handle hoses

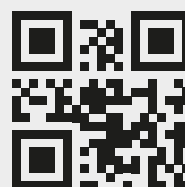


11.4. Parts list

Rep. Fig. Pos. Fig. Rif. Fig.	Réf. Parts No Teil-Nr. Ref. Rif. Nr	Qté. Qty Menge Cant. Qtà Il.	Dimension. Dimension Maße Dimensión Dimensione Wymiar	Français	English	Deutsch	Español	Italiano	Polski
1	517302	1	D 5 X 8 LG.3700	FLEXIBLE REP 1	1-MARK HOSE	HYDRAU- LIKSchLAUCH MARKIERUNG 1	TUBO FLEXIBLE MARC. 1	TUBO FLESSIBILE RIF. 1	PRZEWÓD ELASTY- CZNY 1
1	517303	1	D 5 X 8 LG.3700	FLEXIBLE REP 2	2-MARK HOSE	HYDRAU- LIKSchLAUCH MARKIERUNG 2	TUBO FLEXIBLE MARC. 2	TUBO FLESSIBILE RIF. 2	PRZEWÓD ELASTY- CZNY 2
1	517304	1	D 5 X 8 LG.3700	FLEXIBLE REP 3	3-MARK HOSE	HYDRAU- LIKSchLAUCH MARKIERUNG 3	TUBO FLEXIBLE MARC. 3	TUBO FLESSIBILE RIF. 3	PRZEWÓD ELASTY- CZNY 3
1	517305	1	D 5 X 8 LG.3700	FLEXIBLE REP 4	4-MARK HOSE	HYDRAU- LIKSchLAUCH MARKIERUNG 4	TUBO FLEXIBLE MARC. 4	TUBO FLESSIBILE RIF. 4	PRZEWÓD ELASTY- CZNY 4
1	517306	1	D 5 X 8 LG.3700	FLEXIBLE REP P	P-MARK HOSE	HYDRAU- LIKSchLAUCH MARKIERUNG P	TUBO FLEXIBLE MARC. P	TUBO FLESSIBILE RIF. P	PRZEWÓD ELASTY- CZNY P
1	517307	1	D 5 X 8 LG.3700	FLEXIBLE REP T	T-MARK HOSE	HYDRAU- LIKSchLAUCH MARKIERUNG T	TUBO FLEXIBLE MARC. T	TUBO FLESSIBILE RIF. T	PRZEWÓD ELASTY- CZNY T
2	332915	1	D 29 LG 3300	GAINE	SHEATH	HÜLLE	FUNDA	RIVESTIMENTO	OSŁONA
3	301507	2	178 X 4.8	COLLIER PLAS- TIQUE NOIR	BLACK PLASTIC STRAP	SCHWARZ PLAS- TIK RING	ABRAZADERA DE PLÁSTICO NEGRO	FASCETTA IN PLAS- TICA NERO	CZARNY PLASTI- KOWA FIOLETOWA
4	526074	1		SOUFFLET INF FLEXPILOT (G13)	FLEXPILOT LOWER BELLOWS	FLEXPILOT UNTE- RER FALTENBALG	FLEXPILOT LOWER BELLOWS	SOFFIETTO INFE- RIORE FLEXPILOT (G13)	MIESZEK DOLNY FLEXPILOT (G13)
5	500952	12	ES 8 L	ÉCROU DE SER- TISSAGE ET BAGUE BI-MATIERE	CLAMPING NUT AND BI-METAL BUSHING	NIETMUTTER UND BI-MATERIAL-RING	CLAMPING NUT AND BI-METAL BUSHING	DADO DI AGGRAF- ATURA E BOCCOLA BI-MATERIALE	NAKRETKA DO ZACISKANIA PIERŚCIEŃ DWUSKŁADNIKOWY
6	529471	1	UM / 8L - 1/4G + JOINT	UNION	UNION	VERBINDUNGSS- TÜCK	UNIÓN	UNIONE	ZŁĄCZE
7	531370	2	D 12 LG 2000	GAINE	SHEATH	HÜLLE	FUNDA	RIVESTIMENTO	OSŁONA



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