



Electrical Boom Section Valve Modular-Fit / Quick-Fit

The modular construction of altek's valves allows unlimited configuration possibilities for section valves. The variants range from a simple "shut off valve" for 13 mm hose line, up to complete boom section assembly with

integrated constant pressure system and integrated pressure relief. The electrical connection can be carried out through connection via cable, by cube plug DIN 175301 or AMP-plug.

Characteristics:

- Flow rate up to 50 l/min at only 0,5 bar pressure loss
- Switching time: 0,5 s
- Individually configurable boom section valves up to 15 valves
- High compatibility rate of valves to existing systems

Electrical operation options of the motor drive:

- Control directly with 2 wires (plus/minus)
- Control with 3 wires (control circuit 7mA), 12 volt/ 0 volt = open/closed
- Control with 3 wires (control circuit 7mA), 12 volt/ 0 volt = closed/open

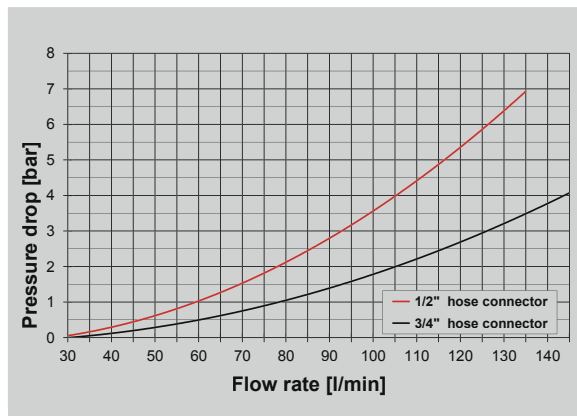


Electrical Boom Section Valve . Electrical shut off valve

Electrical shut off valve 36/AS24

- simple mechanical shut off valve for hoses up to $\varnothing 19$ mm
- specifically designed for our regulator systems
- individual choice of valve alignment
- robust and reliable design
- gear motor
- compatible with the altek modular system

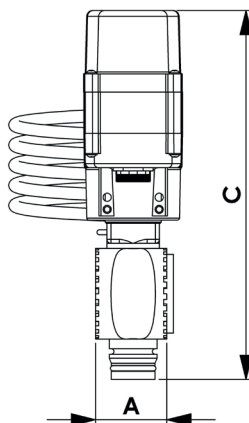
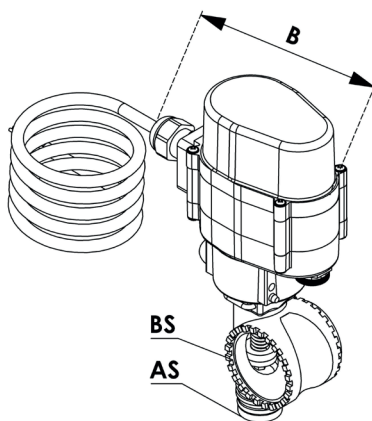
Maximum pressure:	12 bar
Inlet- \varnothing :	36 mm, tuned to fit the modular system
altek	
Outlet- \varnothing :	AS24
Material:	stainless steel: 1.4305, FPM and NBR seals, POM, PA
Voltage:	12 Volt
Control current:	7 mA
Switch time:	0,5 s - control gear



Recommended Fittings outlet

Article-No.	Type
34230	Female hose tail AS24/ $\varnothing 15$
34229	Female hose tail AS24/ $\varnothing 17$
34227	Female hose tail AS24/ $\varnothing 20$
More Fittings: See AS plug-in fittings, AS24	
Recommended safety pins	
18545	Pin AS24

Article-No.	Type	Remarks control gear
47942	Electrical shut off valve 36/AS24	Control gear forward-turned
47943	Electrical shut off valve 36/AS24	Control gear backward-turned
82646	Spacer ring 36/AS24 to connect electrical shut off valves 36/AS24	



BS mm	AS	A mm
36	24	35
B mm	C mm	
120	185	

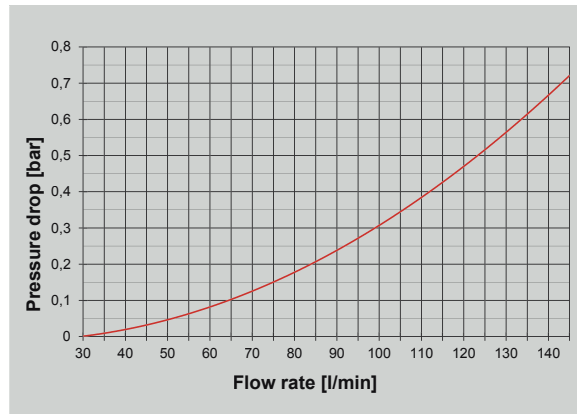
Electrical Boom Section Valve . Electrical shut off valve



Electrical shut off valve 36/ø25 mm

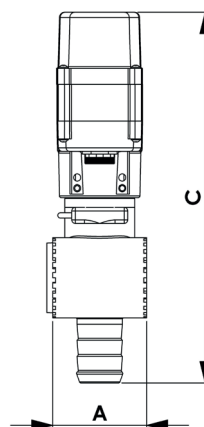
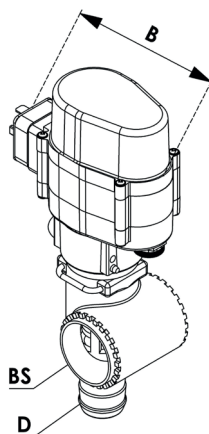
- simple mechanical shut off valve for hoses up to ø19 mm
- specifically designed for our regulator systems
- individual choice of valve alignment
- robust and reliable design
- gear motor
- compatible with the altek modular system

Maximum pressure: 12 bar
 Inlet-ø: 36 mm, tuned to fit the altek modular system
 Outlet-ø: 25 mm hose connection
 Material: stainless steel: 1.4305, FPM and NBR seals, POM, PA,
 Voltage: 12 Volt
 Control current: 7 mA
 Switch time: 0,5 s - control gear



Article-No.	Type	Remarks control gear
47945	Electrical shut off valve 36/ø25 mm	Control gear forward-turned
47946	Electrical shut off valve 36/ø25 mm	Control gear backward-turned
More Fittings: See AS plug-in fittings		

BS mm	D mm	A mm
36	25	54
B mm	C mm	
120	210	



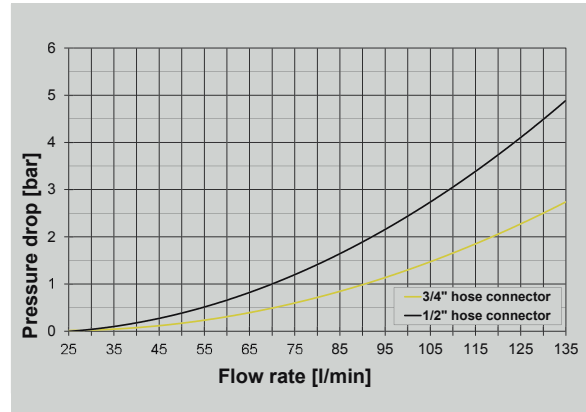


Electrical Boom Section Valve . Modular-Fit Valve

Modular-Fit Valve, 2-way with pressure relief

- modular pressure relief and/or circulating system
- three different electrical connections
- direct electrical control (plus/minus) or with control signal (7mA) by relay
- high flow rates with low pressure loss
- valve assemblies available to individual configuration
- for section hoses up to $\varnothing 19$ mm
- modular building assembly

Maximum pressure: 12 bar
 Voltage: 12 Volt
 drive options: direct plus/minus or control signal 7mA by relay
 Switch time: 0,5 s - control gear
 Material: stainless steel: 1.4305, POM GF 25, FPM and NBR seal



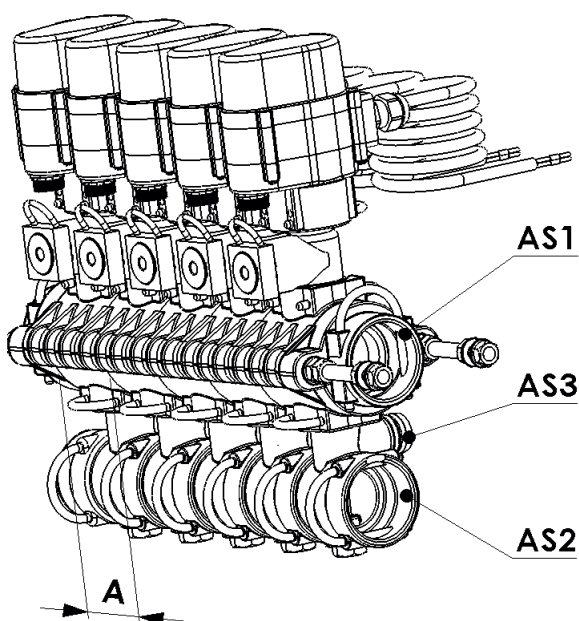
Modular-Fit valve assemblies are possible from 1 to 15 sections valves. All valve assemblies can be made to your specific requirements.

Options:

- Special pressure gauge connection for testing equipment
- Additional bypass-valves
- Individual alignment of the gear motor
- Valve assemblies available to individual requirements and can be delivered just in time for production line use

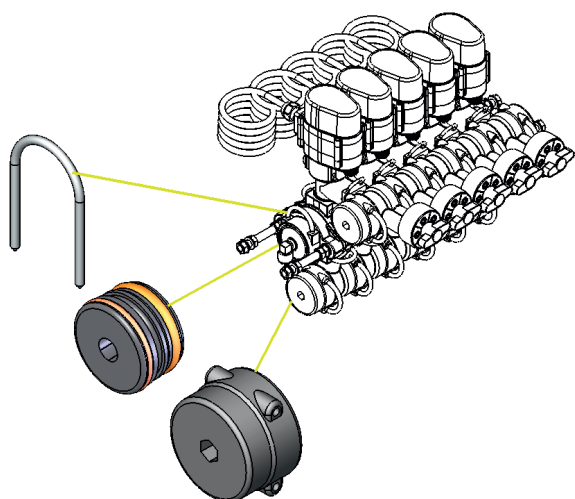
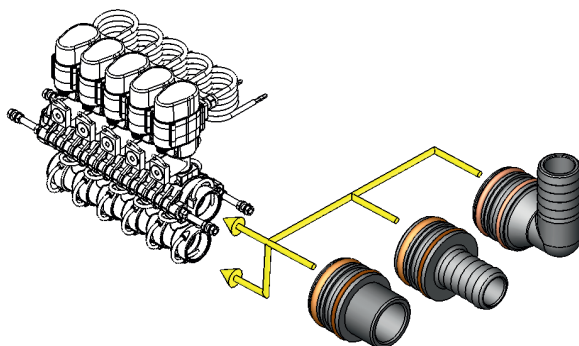
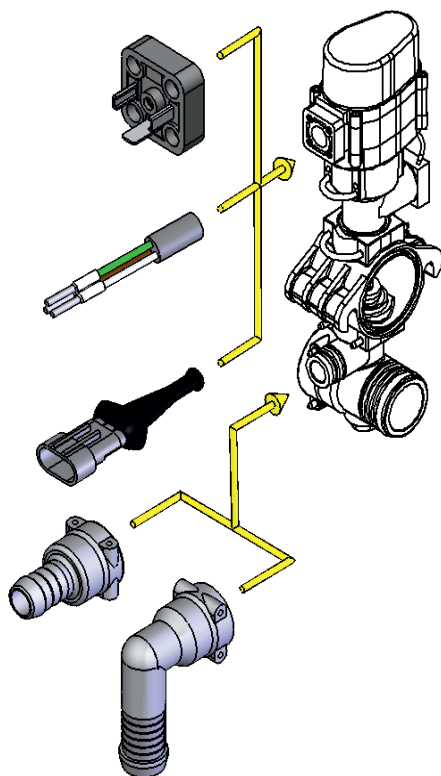
Each valve assembly contains:

- 1x Dummy plug AS40/G $\frac{3}{4}$ female cpl
- 1x Blind cap at the pressure relief canal
- 1x Safety pin AS40



AS1	AS2
40	40
AS3	A mm
24	51

Electrical Boom Section Valve . Modular-Fit Valve



Electrical connections

Plug-in connection DIN-EN 175 301

Cable 1m

AMP - plug

Electrical drive

Three wire, control by relay
control signal (-): 12Volt/0Volt=closed/open (7 mA)

Three wire, control by relay
control signal (+): 12Volt/0Volt=open/closed (7 mA)

Two wire direct control - plus/minus

Recommended Fittings AS24

Article-No.	Type
34230	Female hose tail AS24/ø15
34229	Female hose tail AS24/ø17
34227	Female hose tail AS24/ø20
80349	Female hose tail AS24/ø15/90°
80350	Female hose tail AS24/ø20/90°
47094	Female hose tail AS24/AS20 cpl

Recommended Fittings AS40

80361	Plug-in hose tail AS40/G1/male cpl
80398	Plug-in hose tail AS40/G1¼/male cpl
04595	Plug-in hose tail AS40/ø25 cpl
04581	Plug-in hose tail AS40/ø33 cpl
09184	Plug-in hose tail AS40/ø25/90° cpl
08874	Plug-in hose tail AS40/ø33/90° cpl

More Fittings: see AS plug-in fittings, AS40

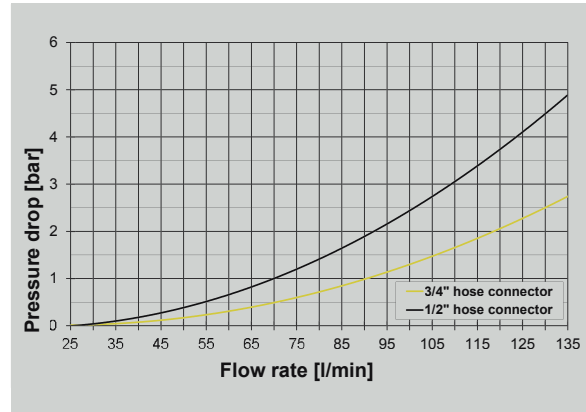


Electrical Boom Section Valve . Modular-Fit Valve

Modular-Fit Valve, 3-way with pressure relief and constant pressure system

- modular pressure relief and/or circulating system
- three different electrical connections
- direct electrical control (plus/minus) or with control signal (7mA) by relay
- high flow rates with low pressure loss
- valve assemblies available to individual configuration
- for section hoses up to $\varnothing 19$ mm
- modular building assembly

Maximum pressure:	12 bar
Voltage:	12 Volt
Control options:	direct plus/minus or control signal 7mA by relay
Switch time:	0,5 s - control gear
Material:	POM GF 25, stainless steel: 1.4305, FPM and NBR seals



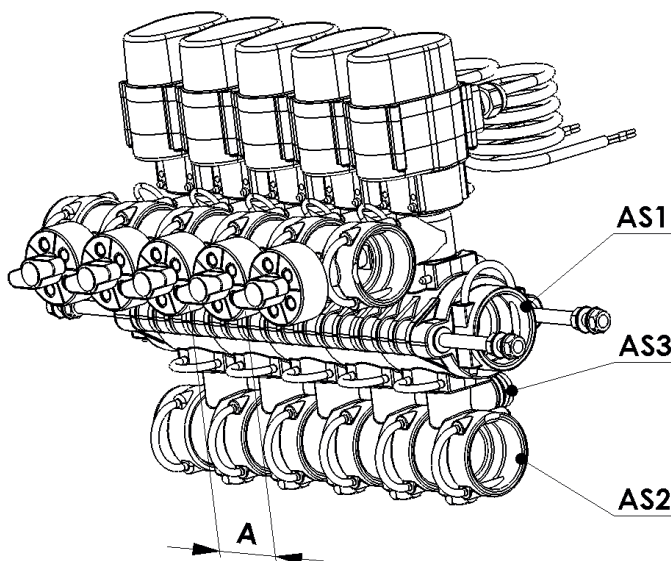
Modular-Fit valve assemblies are possible from 1 to 15 sections valves. All valve assemblies can be made to your specific requirements.

Options:

- Special pressure gauge connection for testing equipment
- Additional bypass-valves
- Individual alignment of the gear motor
- Valve assemblies available to individual requirements and can be delivered just in time for production line use

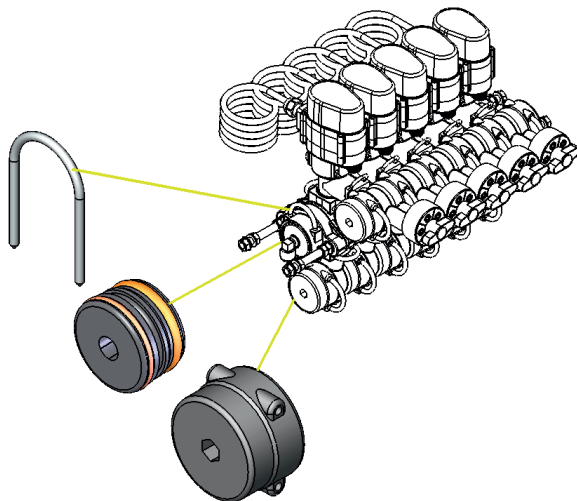
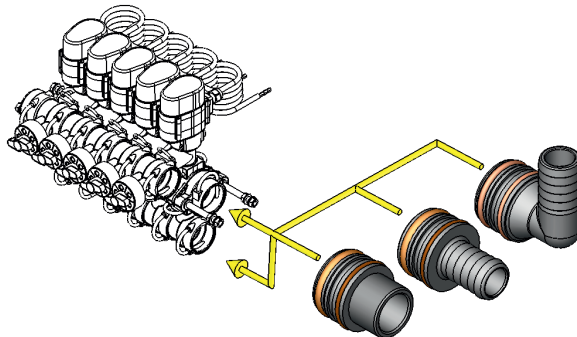
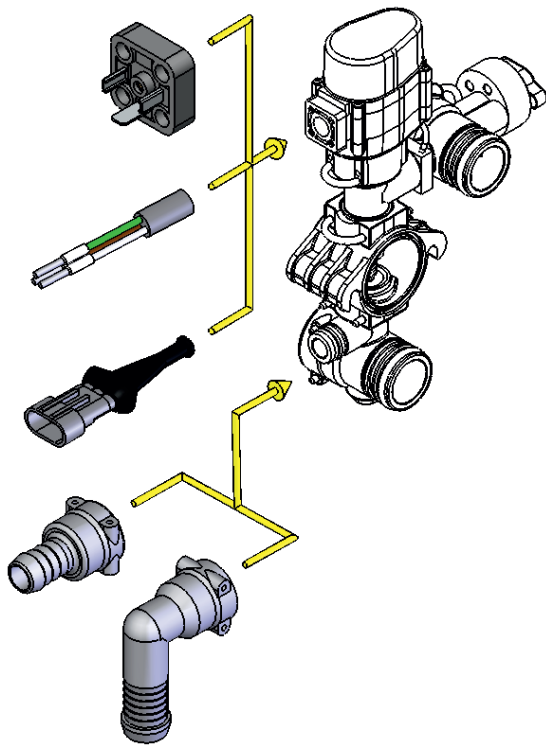
Each valve assembly contains:

- 1x Dummy plug AS40/G $\frac{1}{4}$ female cpl
- 1x Blind cap at the pressure relief canal
- 1x Safety pin AS40



AS1	AS2
40	40
AS3	A mm
24	51

Electrical Boom Section Valve . Modular-Fit Valve



Electrical connections

Plug-in connection DIN-EN 175 301

Cable 1m

AMP - plug

Electrical drive

Three wire, control by relay
control signal (-): 12Volt/0Volt=closed/open (7 mA)

Three wire, control by relay
control signal (+): 12Volt/0Volt=open/closed (7 mA)

Two wire direct control - plus/minus

Recommended Fittings AS24

Article-No.	Type
34230	Female hose tail AS24/ø15
34229	Female hose tail AS24/ø17
34227	Female hose tail AS24/ø20
80349	Female hose tail AS24/ø15/90°
80350	Female hose tail AS24/ø20/90°
47094	Female hose tail AS24/AS20 cpl

Recommended Fittings AS40

80361	Plug-in hose tail AS40/G1/male cpl
80398	Plug-in hose tail AS40/G1¼/male cpl
04595	Plug-in hose tail AS40/ø25 cpl
04581	Plug-in hose tail AS40/ø33 cpl
09184	Plug-in hose tail AS40/ø25/90° cpl
08874	Plug-in hose tail AS40/ø33/90° cpl

More Fittings: see AS plug-in fittings, AS40



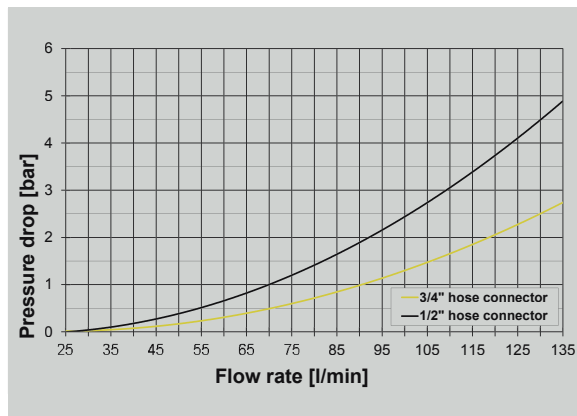
Electrical Boom Section Valve . Modular-Fit Valve

Modular-Fit Valve, 3-way with constant pressure system

- modular pressure relief and/or circulating system
- three different electrical connections
- direct electrical control (plus/minus) or with control signal (7mA) by relay
- high flow rates with low pressure loss
- valve assemblies available to individual configuration
- for section hoses up to $\varnothing 19$ mm
- modular building assembly

Maximum pressure:	12 bar
Voltage:	12 Volt
Control options:	direct plus/minus or control signal 7mA by relay
Switch time:	0,5 s - control gear
Material:	POM GF 25, stainless steel:
	1.4305, FPM and NBR seals

AS1	AS2	A mm
40	24	51



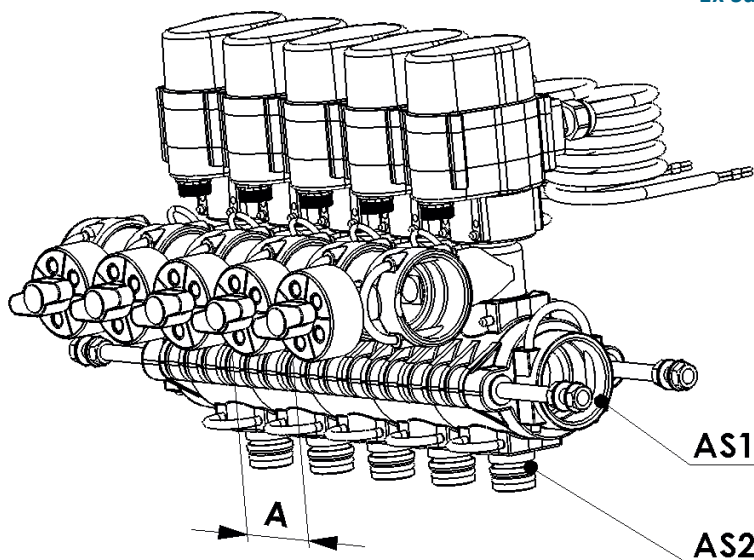
Modular-Fit valve assemblies are possible from 1 to 15 sections valves. All valve assemblies can be made to your specific requirements.

Options:

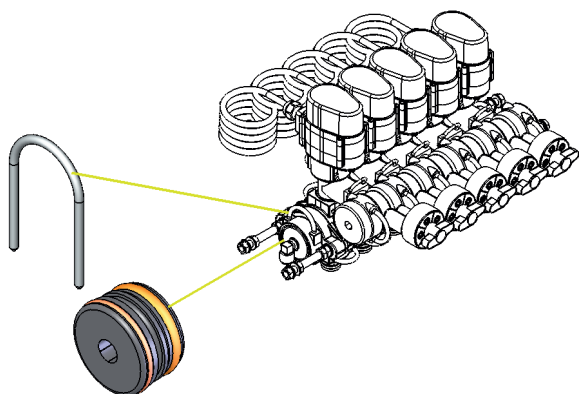
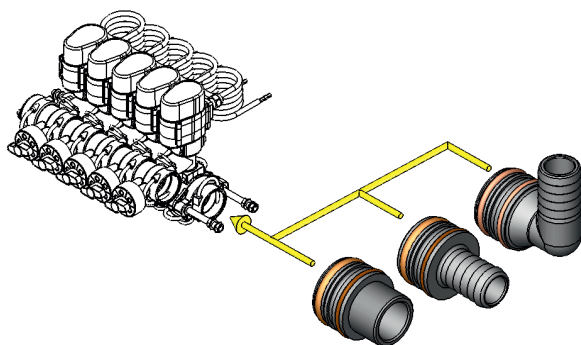
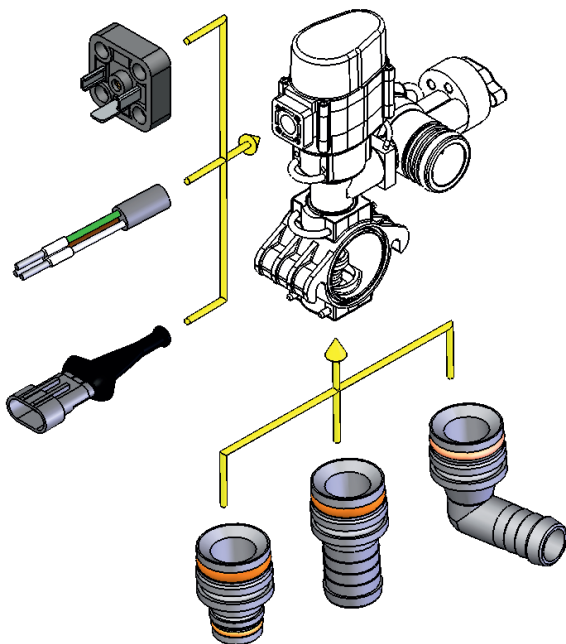
- Special pressure gauge connection for testing equipment
- Additional bypass-valves
- Individual alignment of the gear motor
- Valve assemblies available to individual requirements and can be delivered just in time for production line use

Each valve assembly contains:

- 1x Dummy plug AS40 G $\frac{1}{4}$ female cpl
- 1x Blind cap at the pressure relief canal
- 1x Safety pin AS40



Electrical Boom Section Valve . Modular-Fit Valve



Electrical connections

Plug-in connection DIN-EN 175 301

Cable 1m

AMP - plug; 3-polar; superseal series 1.5

Electrical drive

Three wire, control by relay
control signal (-): 12Volt/0Volt=closed/open (7 mA)

Three wire, control by relay
control signal (+): 12Volt/0Volt=open/closed (7 mA)

Two wire direct control - plus/minus

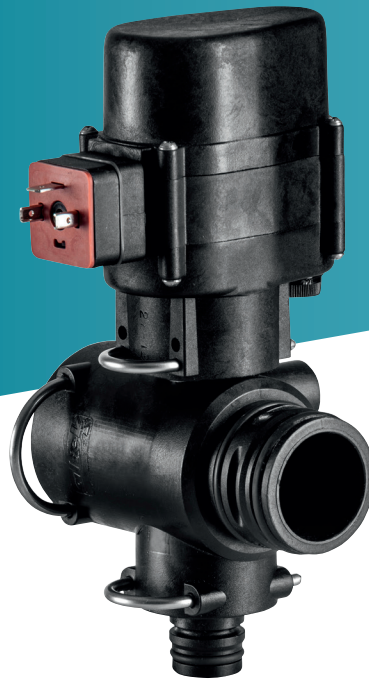
Recommended fittings AS30 with valve seat 120°

Article-No.	Type
00420	Plug-in hose tail AS30/ø20 cpl
81119	Plug-in hose tail AS30/ø25 cpl
01399	Plug-in hose tail AS30/ø33 cpl
33793	Plug-in hose tail AS30/ø33/90° cpl
80378	Plug-in hose tail AS30/AS24 cpl

Recommended Fittings AS40

80361	Plug-in hose tail AS40/G1/male cpl
80398	Plug-in hose tail AS40/G1¼/male cpl
04595	Plug-in hose tail AS40/ø25 cpl
04581	Plug-in hose tail AS40/ø33 cpl
09184	Plug-in hose tail AS40/ø25/90° cpl
08874	Plug-in hose tail AS40/ø33/90° cpl

More Fittings: see AS plug-in fittings, AS40



Quick-fit valve

By utilising altek's plug-in system, the assembling time of the valves can be vastly reduced. Due to its compact and flexible construction, the valve can be perfectly used as section valve mounted close to the nozzle on the spray boom. Additionally its compactness allows

positioning and attaching the valve to the spray boom in a flexible manner. The electrical connection can be carried out through connection via cable, by cube plug DIN 175301 or AMP-plug.

Characteristics:

- Flow rate up to 75 l/min at only 0,5 bar pressure loss
- Switching time: 0,5 s.
- Individually configurable boom section valves up to 15 valves
- High compatibility rate of valves to existing systems

Electrical operation options of the motor drive:

- Control directly with 2 wires (plus/minus)
- Control with 3 wires (control circuit 7mA), 12 volt/ 0 volt = open/closed
- Control with 3 wires (control circuit 7mA), 12 volt/ 0 volt = closed/open

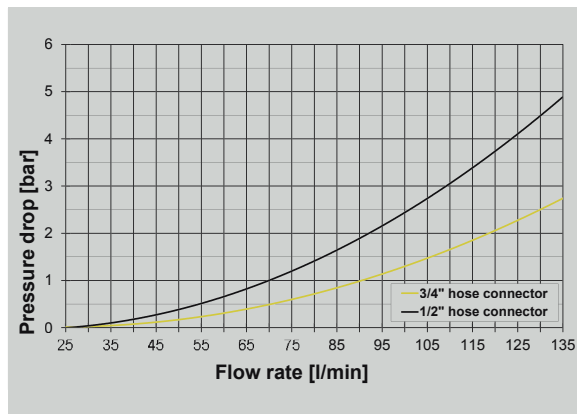


Electrical Boom Section Valve . Quick-Fit Valve

Quick-Fit Valve, 2-way

- fastest possible sprayer assembly with the altek plug-in system
- built extremely slim to be fully integrated into the spray boom
- three different electrical connections
- direct electrical control (plus/minus) or with control signal (7mA) by relay
- large flow rates at a low pressure drop
- for boom section hoses up to $\varnothing 32$ mm
- modular building system

Maximum pressure: 12 bar
 Voltage: 12 Volt
 Control options: direct plus/minus or control signal 7mA by relay
 Switch time: 0,5 s - control gear
 Material: POM GF 25, stainless steel: 1.4305, FPM and NBR seals



Recommended Fittings AS24

Article-No.	Type
34230	Female hose tail AS24/ $\varnothing 15$
34229	Female hose tail AS24/ $\varnothing 17$
34227	Female hose tail AS24/ $\varnothing 20$
80349	Female hose tail AS24/ $\varnothing 15/90^\circ$
80350	Female hose tail AS24/ $\varnothing 20/90^\circ$
47094	Female hose tail AS24/AS20 cpl

Recommended Fittings AS40

04595	Plug-in hose tail AS40/ $\varnothing 25$ cpl
04581	Plug-in hose tail AS40/ $\varnothing 33$ cpl
09184	Plug-in hose tail AS40/ $\varnothing 25/90^\circ$ cpl
80357	Female hose tail AS40/ $\varnothing 25$
34232	Female hose tail AS40/ $\varnothing 33$
47993	Blind cap AS40

Recommended Fittings AS30 with valve seat 120°

00420	Plug-in hose tail AS30/ $\varnothing 20$ cpl
81119	Plug-in hose tail AS30/ $\varnothing 25$ cpl
01399	Plug-in hose tail AS30/ $\varnothing 33$ cpl
33793	Plug-in hose tail AS30/ $\varnothing 33/90^\circ$ cpl
80378	Plug-in hose tail AS30/AS24 cpl

More Fittings: see AS plug-in fittings, AS30

Electrical drive

Three wire, control by relay
 control signal (-): 12Volt/0Volt=closed/open

Three wire, control by relay
 control signal (+): 12Volt/0Volt=open/closed

Two wire direct control - plus/minus

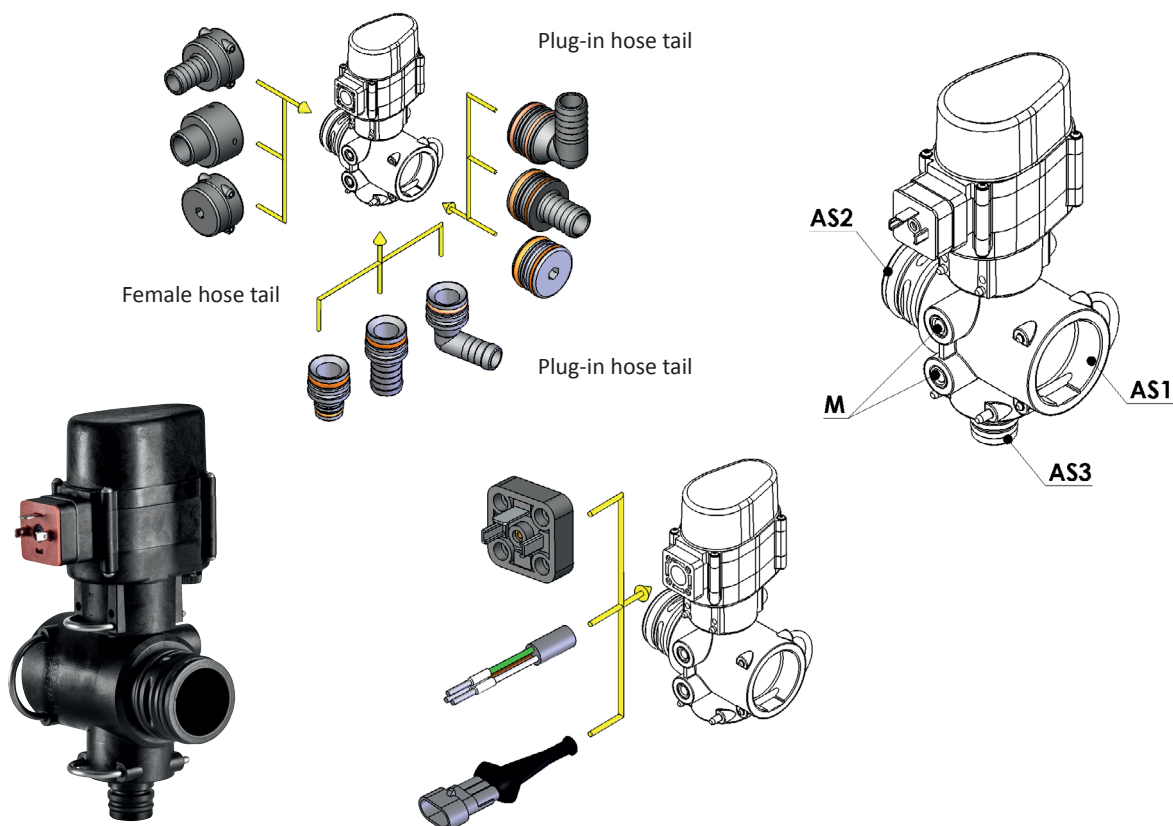
Electrical connections

Plug-in connection DIN-EN 175 301

Cable 1m

AMP - plug

Electrical Boom Section Valve . Quick-Fit Valve



Valve with cable 1m						
Article-No.	Type	AS1	AS2	AS3	M	D
80553	Quick-Fit Valve, 2-WAY, AS24, 3-W, L=1m, (-)	40	40	24	M8	-
80556	Quick-Fit Valve; 2-WAY, AS24, 3-W, L=1m, (+)	40	40	24	M8	-
80558	Quick-Fit Valve, 2-WAY, AS24, 2-W, L=1m	40	40	24	M8	-
81534	Quick-Fit Valve, 2-WAY, AS30/ø25, L=1m, (+)	40	40	-	M8	ø25
Valve with plug connection DIN 175301						
80554	Quick-Fit Valve, 2-WAY, AS24, 3-W, DIN 175301, (-)	40	40	24	M8	-
80557	Quick-Fit Valve, 2-WAY, AS24, 3-W, DIN 175301, (+)	40	40	24	M8	-
81172	Quick-Fit Valve, 2-WAY, AS24, 2-W, DIN 175301	40	40	24	M8	-
81535	Quick-Fit Valve, 2-WAY, AS30/ø25, DIN 175301, (+)	40	40	-	M8	ø25
Valves with AMP-plug						
81533	Quick-Fit Valve, 2-WAY, AS24, 3-W, AMP, (-)	40	40	24	M8	-
80503	Quick-Fit Valve, 2-WAY, AS24, 3-W, AMP, (+)	40	40	24	M8	-
80559	Quick-Fit Valve, 2-WAY, AS24, 2-W, AMP	40	40	24	M8	-
81536	Quick-Fit Valve, 2-WAY, AS30/ø25, AMP, (+)	40	40	-	M8	ø25