

### Spray-Stop

**Pneumatic control valve, opens with air pressure and closes by mechanical spring pressure**

#### Specifications:

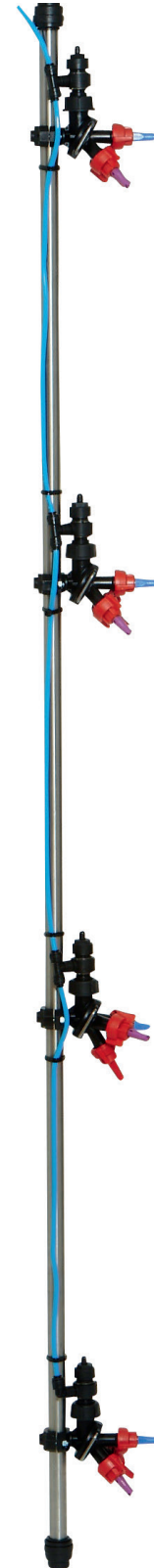
- Proven long life integrated altek piston / viton lip seal
- Pneumatic supply can be positioned through 360°
- Maximum spray liquid pressure: 12 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar
- Low air volume required: 1.570 mm<sup>3</sup>

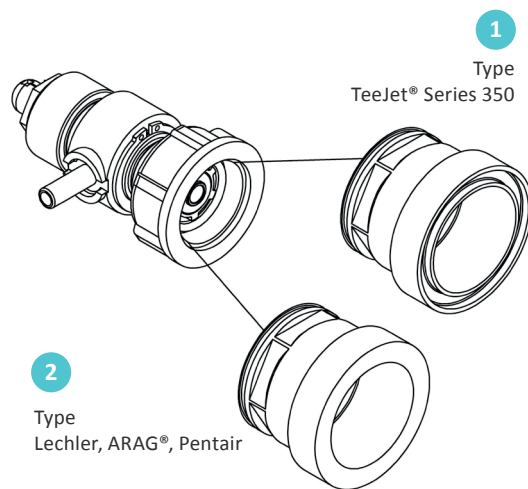
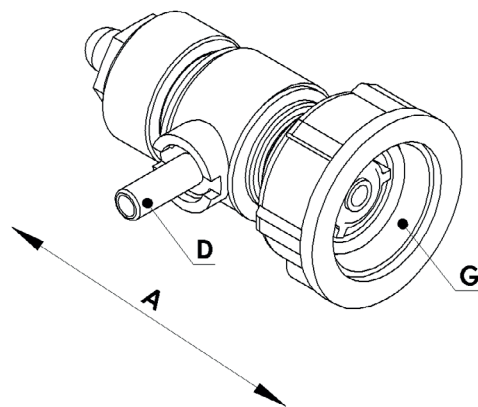
#### System integration into the field sprayer:

- Pneumatic supply required for ON/OFF control of each section
- Automatic rate controller required
- For OEM original fitment and retrofitting (fits all common nozzle bodies)
- Replaces the standard section valves and hoses
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line

#### Benefits for the end user:

- Fast and safe ON/OFF control reduces chance of over application
- Pressure recirculation system possible
- Instant liquid spray pressure at all nozzles when turning on (circulation system)
- Minimal residual chemicals = less waste, reduced costs and safer environment





Spray-Stop					
Art-No.	Type	Type	A	D mm	G
83055	Spray-Stop cpl, 4 mm	2	73	Ø4	G $\frac{3}{4}$ "
80923	Spray-Stop cpl, 6 mm	2	73	Ø6	G $\frac{3}{4}$ "
83044	Spray-Stop cpl, 4 mm	1	73	Ø4	G $\frac{3}{4}$ "
81375	Spray-Stop cpl, 6 mm	1	73	Ø6	G $\frac{3}{4}$ "



### Spray-Stop Direct Control Master

**Master-Slave section control option capable of operating up to 8 standard Spray-Stops**

#### Specifications:

- Control current < 0,06A
- 12 V Voltage
- Pneumatic supply can be positioned through 360°
- Maximum spray liquid pressure: 12 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar

#### System integration into the field sprayer:

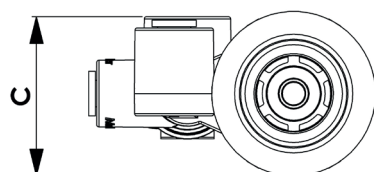
- For modern field sprayers with pneumatic supply and electronical control
- For OEM original fitment and retrofitting (fits all common nozzle bodies)
- Replaces the standard section valves and hoses
- Only one electrical line per section (Master-Slave version)
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line
- No additional electro pneumatic valve bank required
- Easy mounting of the pneumatic hoses
- Flexible configuration of the sections easily achieved

#### Benefits for the end user:

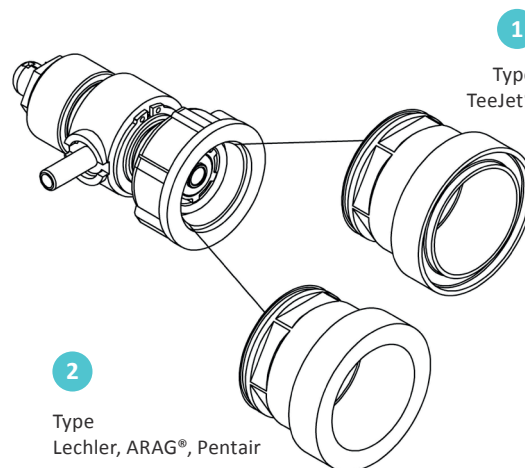
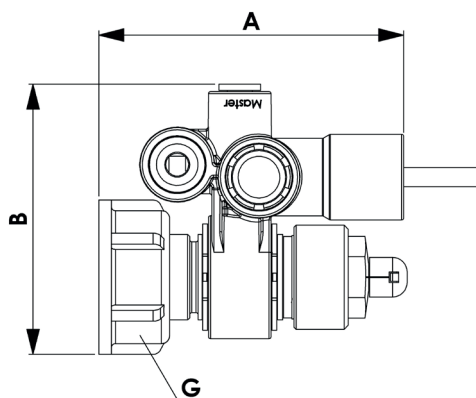
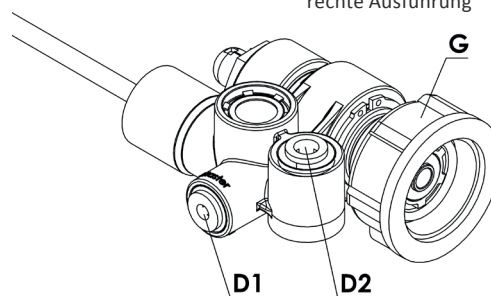
- Nozzle control is operated directly on the spray line
- Fast and safe ON/OFF control reduces chance of over application
- GPS section / individual nozzle control is possible (additional controllers required)
- Pressure recirculation system possible
- Instant liquid spray pressure at all nozzles when turning on (circulation system)
- Minimal residual chemicals = less waste, reduced costs and safer environment



# Spray-Stop Direct Control Master



Darstellung:  
rechte Ausführung



Rechte und linke Ausführung für den  
problemlosen Einbau in das Gestänge.

## Spray-Stop Direct-Control Master

Art-No.	Type	Type	A	B	C	D1 mm	D2 mm	G mm
83215	Direct-Control Master left	1	73	65	36	Ø4	Ø6	G¾"
83214	Direct-Control Master right	1	73	65	36	Ø4	Ø6	G¾"
84153	Direct-Control Master left	2	73	65	36	Ø4	Ø6	G¾"
84152	Direct-Control Master right	2	73	65	36	Ø4	Ø6	G¾"



### Spray-Stop Direct Control Single

**Spray-Stop with integrated electro pneumatic ON/OFF control of single nozzle body**

#### Specifications:

- Control current < 0,06A
- 12 V Voltage
- Pneumatic supply can be positioned through 360°
- Maximum spray liquid pressure: 12 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar

#### System integration into the field sprayer:

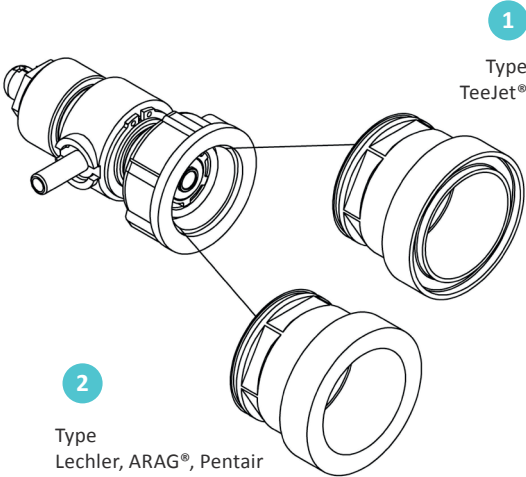
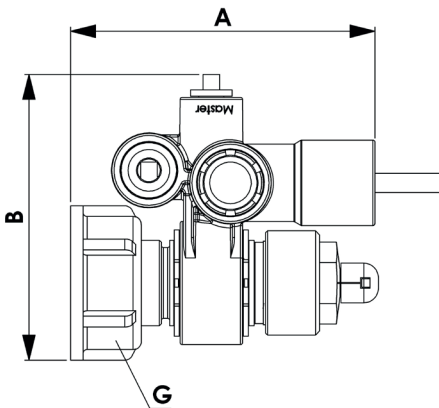
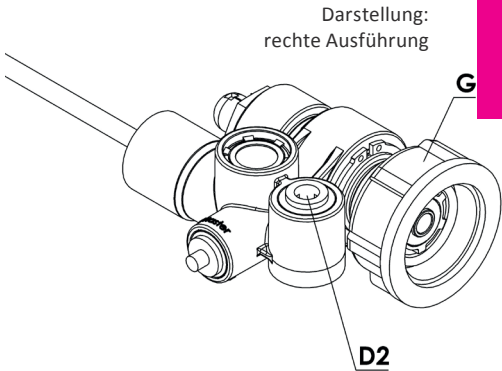
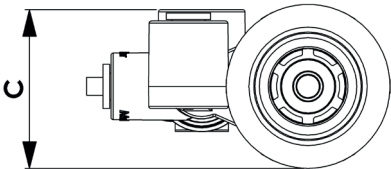
- For modern field sprayers with pneumatic supply and electronical control
- For OEM original fitment and retrofitting (fits all common nozzle bodies)
- Replaces the standard section valves and hoses
- Only one electrical line per section (Master-Slave version)
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line
- No additional electro pneumatic valve bank required
- Easy mounting of the pneumatic hoses
- Flexible configuration of the sections easily achieved

#### Benefits for the end user:

- Dozzle control is operated directly on the spray line
- Fast and safe ON/OFF control reduces chance of overapplication
- GPS section / individual nozzle control is possible (additional controllers required)
- Pressure recirculation system possible
- Instant liquid spray pressure at all nozzles when turning on (circulation system)
- Minimal residual chemicals = less waste, reduced costs and safer environment



# Spray-Stop Direct Control Single

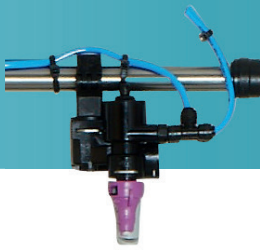


Rechte und linke Ausführung für den  
problemlosen Einbau in das Gestänge.

## Spray-Stop Direct-Control Single

Art-No.	Type	Type	A mm	B mm	C mm	D1 mm	D2 mm	G mm
83219	Direct-Control cpl left	1	73	68,5	36	--	Ø6	G¾"
83218	Direct-Control cpl right	1	73	68,5	36	--	Ø6	G¾"
83217	Direct-Control cpl left	2	73	68,5	36	--	Ø6	G¾"
83216	Direct-Control cpl right	2	73	68,5	36	--	Ø6	G¾"





### Multi-Spray Twin

**Pneumatic nozzle body, opens with air pressure and closes by mechanical spring pressure**

#### Specifications:

- Each line can be operated either independently or combined (Twin = 2 lines)
- Proven long life integrated altek piston / viton lip seal
- Manual nozzle selection / variable rate operation possible
- Maximum spray liquid pressure: 15 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar
- Low air volume required: 4.770 mm3

#### System integration into the field sprayer:

- For OEM original fitment and retrofitting
- Replaces the standard section valves and hoses
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line
- Infrastructure/facilities for pneumatic required for ON/OFF control

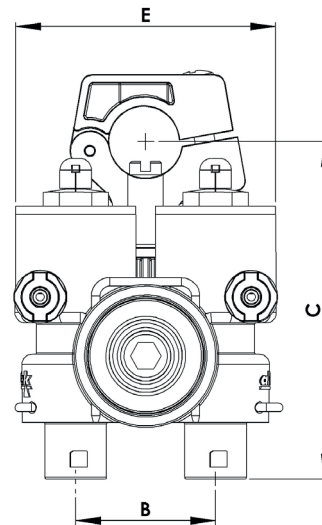
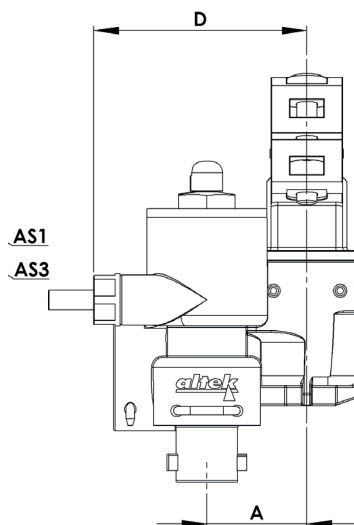
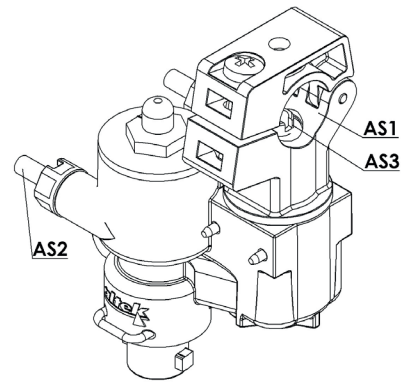
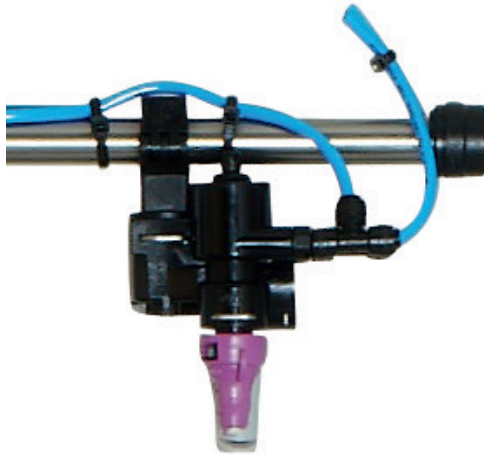
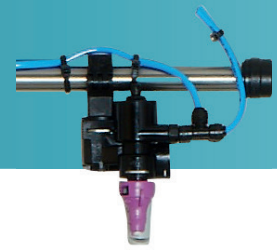
#### Benefits for the end user:

- Ideal for spray operators requiring different application rates/drop sizes/fast and easy nozzle change
- Safe OFF control up to 15 bar spraying pressure
- Fast and safe ON/OFF control reduces chance of overapplication
- Selective manual or automatic nozzle-switching is possible, depending on the electronic equipment
- Pressure recirculation system possible
- Minimal residual chemicals = less waste, reduced costs and safer environment



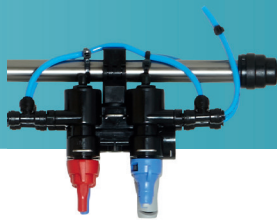


# Multi-Spray Twin



Multi-Spray Twin nozzle position 0°/0°

Art-No.	Type	A mm	B mm	C mm	D mm	E mm	AS1 mm	AS2 mm	AS3 mm
82059	Multi-Spray 2N; ½" ; Ø9,5	30	42	103	64	78	½"	Ø6	Ø9,5
82060	Multi-Spray 2N; 20mm; Ø9,5	30	42	102	64	78	20	Ø6	Ø9,5
82061	Multi-Spray 2N; ¾" ; Ø9,5	30	42	109	64	78	¾"	Ø6	Ø9,5
82062	Multi-Spray 2N; ¾" ; Ø11	30	42	109	64	78	¾"	Ø6	Ø11
82063	Multi-Spray 2N; 1" ; Ø9,5	30	42	114	64	78	1"	Ø6	Ø9,5
82064	Multi-Spray 2N; 1" ; Ø11	30	42	114	64	78	1"	Ø6	Ø11



## Multi-Spray Quad

**Pneumatic nozzle body, opens with air pressure and closes by mechanical spring pressure**

### Specifications:

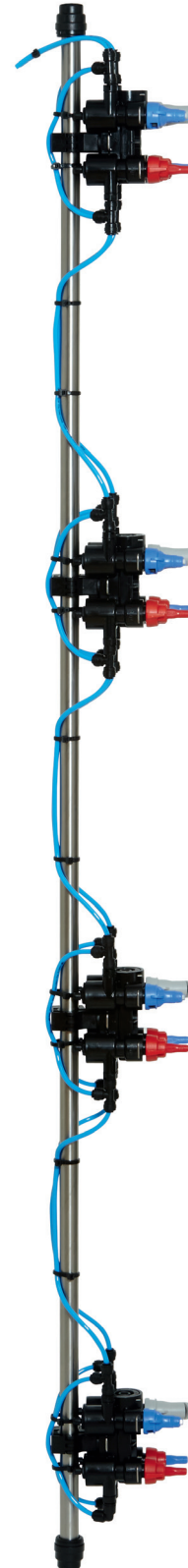
- Each line can be operated either independently or combined (Quad = 4 lines)
- Proven long life integrated altek piston / viton lip seal
- Manual nozzle selection / variable rate operation possible
- Maximum spray liquid pressure: 15 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar
- Low air volume required: 4.770 mm3

### System integration into the field sprayer:

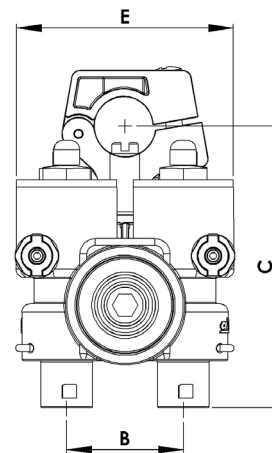
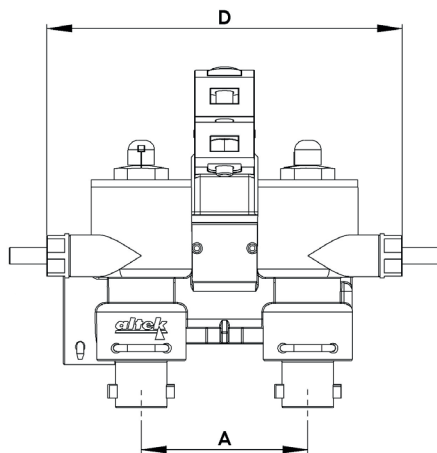
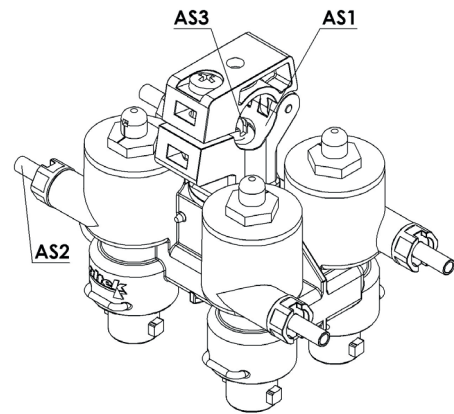
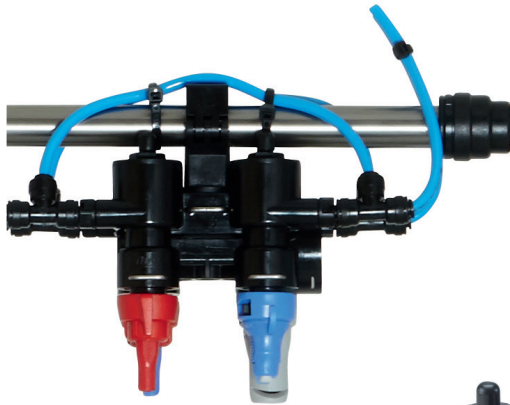
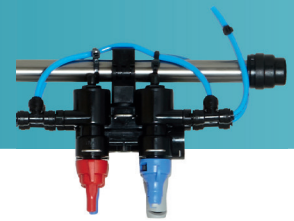
- For OEM original fitment and retrofitting
- Replaces the standard section valves and hoses
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line
- Infrastructure/facilities for pneumatic required for ON/OFF control

### Benefits for the end user:

- Ideal for spray operators requiring different application rates/drop sizes/fast and easy nozzle change
- Safe OFF control up to 15 bar spraying pressure
- Fast and safe ON/OFF control reduces chance of overapplication
- Selective manual or automatic nozzle-switching is possible, depending on the electronic equipment
- Pressure recirculation system possible
- Minimal residual chemicals = less waste, reduced costs and safer environment

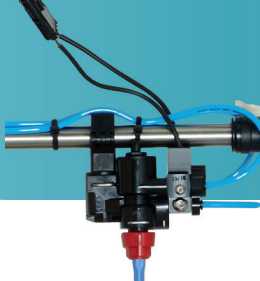


# Multi-Spray Quad



## Muti-Spray Twin nozzle position 0°/0°

Art-No.	Type	A mm	B mm	C mm	D mm	E mm	AS1 mm	AS2 mm	AS3 mm
82113	Multi-Spray 4N; ½" ; Ø9,5	60	42	103	128	64	½"	78	Ø9,5
82114	Multi-Spray 4N; 20mm; Ø9,5	60	42	102	128	64	20	78	Ø9,5
82115	Multi-Spray 4N; ¾" ; Ø9,5	60	42	109	128	64	¾"	78	Ø9,5
82116	Multi-Spray 4N; ¾" ; Ø11	60	42	109	128	64	¾"	78	Ø11
82117	Multi-Spray 4N; 1" ; Ø9,5	60	42	114	128	64	1"	78	Ø9,5
82118	Multi-Spray 4N; 1" ; Ø11	60	42	114	128	64	1"	78	Ø11



### Multi-Spray Direct Control Master Twin

**Master-Slave section control option capable of operating up to 8 standard Multi-Spray bodies**

#### Specifications:

- Electro pneumatic valve for ON and OFF operation is mounted directly on the nozzle body
- Control current < 0,06A
- 12 V Voltage
- Maximum spray liquid pressure: 15 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar

#### System integration into the field sprayer:

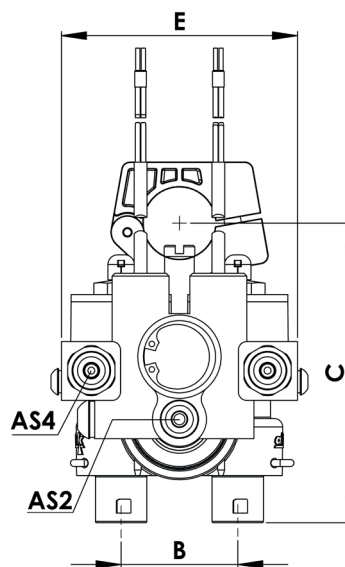
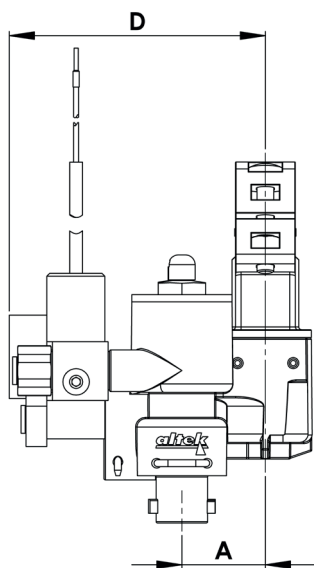
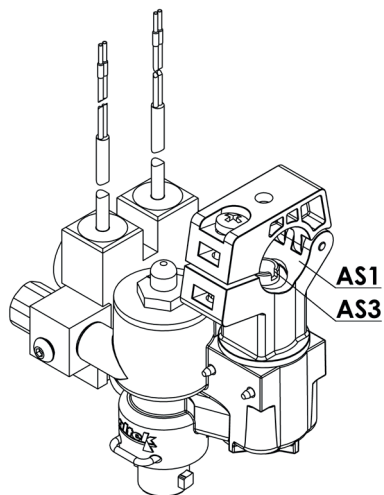
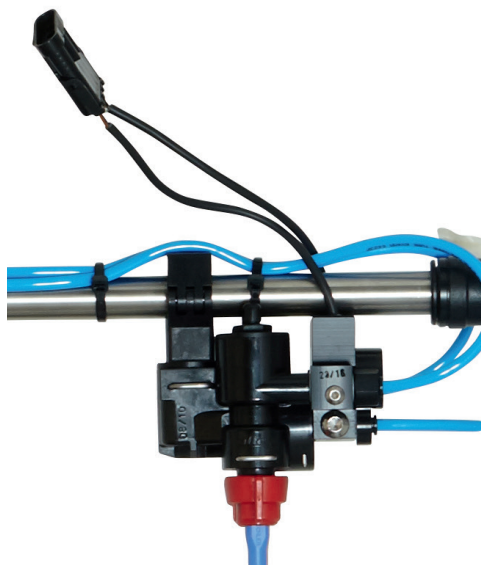
- For OEM original fitment and retrofitting
- Replaces the standard section valves and hoses
- Only one electrical line per orifice and section required (Master-Slave version)
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line
- No additional electro pneumatic valve bank required
- Easy mounting of the pneumatic hoses
- Individual nozzle control possible with additional controller

#### Benefits for the end user:

- Ideal for spray operators requiring different application rates/drop sizes/fast and easy nozzle change
- Nozzle control is operated directly on the spray line
- Fast and safe ON/OFF control reduces chance of overapplication
- Selective manual or automatic nozzle-switching is possible, depending on the electronic equipment
- GPS-controlled single nozzle or section control is possible with additional controllers
- Instant liquid spray pressure at all nozzles when turning on (circulation system)
- Pressure recirculation system possible
- Minimal residual chemicals = less waste, reduced costs and safer environment



## Multi-Spray Direct Control Master Twin



Multi-Spray Direct Control Master Twin

Art-No.	Type	A mm	B mm	C mm	D mm	E mm	AS1 mm	AS2 mm	AS3 mm	AS4 mm
83771	Multi-Spray Master Valve Valve 2N; 20 mm; Ø9,5	30	42	109	92	85	20	Ø6	Ø9,5	Ø6
83818	Multi-Spray Master Valve Valve 2N; ¾"; Ø9,5	30	42	109	92	85	¾"	Ø6	Ø9,5	Ø6
84069	Multi-Spray Master Valve Valve 2N; ¾" ; Ø11	30	42	109	92	85	¾"	Ø6	Ø11	Ø6



### Multi-Spray Direct Control MASTER(?) Quad

#### Multi-Spray Direct Control Quad

**Master-Slave section control option capable of operating up to 8 standard Multi-Spray bodies**

##### Specifications:

- Electro pneumatic valve for ON and OFF operation is mounted directly on the nozzle body
- Control current < 0,06A
- 12 V Voltage
- Maximum spray liquid pressure: 15 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar

##### System integration into the field sprayer:

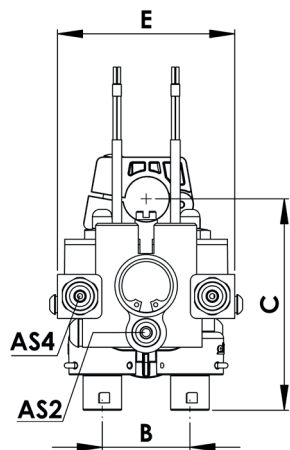
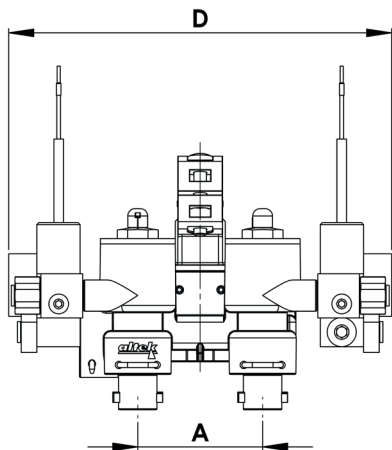
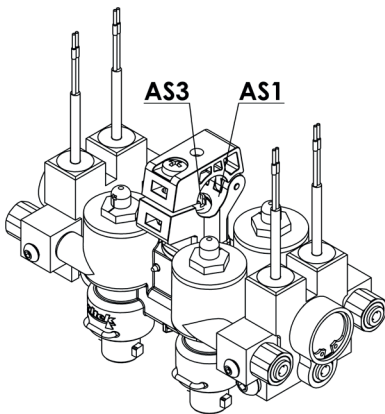
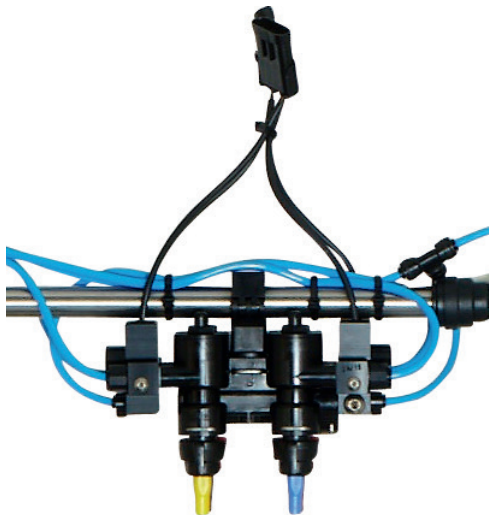
- For OEM original fitment and retrofitting
- Replaces the standard section valves and hoses
- Only one electrical line per orifice and section required (Master-Slave version)
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line
- No additional electro pneumatic valve bank required
- Easy mounting of the pneumatic hoses
- Individual nozzle control possible with additional controller

##### Benefits for the end user:

- Ideal for spray operators requiring different application rates/drop sizes/fast and easy nozzle change
- Nozzle control is operated directly on the spray line
- Fast and safe ON/OFF control reduces chance of overapplication
- Selective manual or automatic nozzle-switching is possible, depending on the electronic equipment
- GPS-controlled single nozzle or section control is possible with additional controllers
- Instant liquid spray pressure at all nozzles when turning on (circulation system)
- Pressure recirculation system possible
- Minimal residual chemicals = less waste, reduced costs and safer environment



# Multi-Spray Direct Control Quad



Multi-Spray Direct Control Master Quad										
Art-No.	Type	A mm	B mm	C mm	D mm	E mm	AS1 mm	AS2 mm	AS3 mm	AS4 mm
83935	Multi-Spray Master Valve 4N; ½"; Ø9,5	60	42	103	184	85	½"	Ø6	Ø9,5	Ø6





### Multi-Spray Direct Control Single Twin

**Pneumatic nozzle body with additional electro pneumatic valves mounted on the body**

#### Specifications:

- Electro pneumatic valve for ON and OFF operation is mounted directly on the nozzle body
- Control current < 0,06A
- 12 V Voltage
- Maximum spray liquid pressure: 15 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar

#### System integration into the field sprayer:

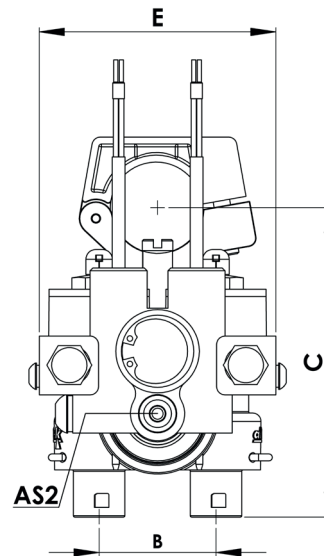
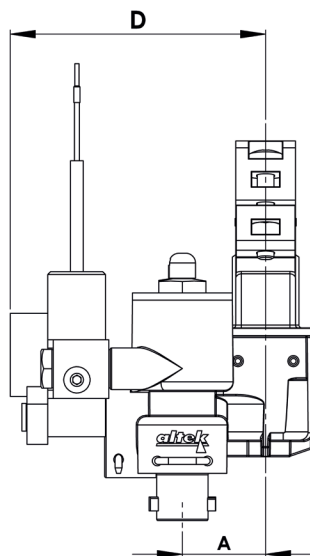
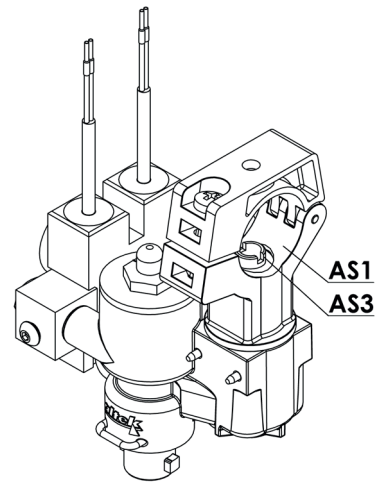
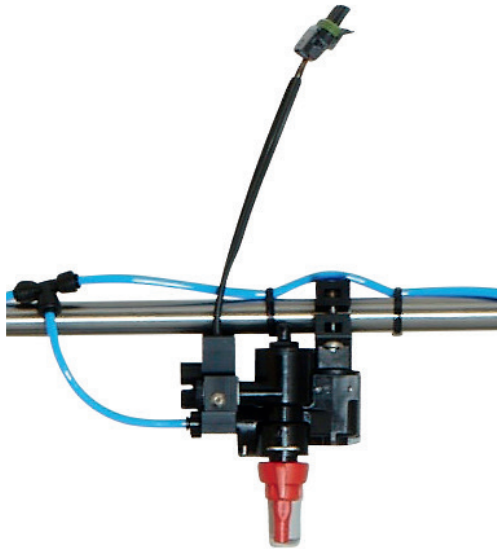
- For OEM original fitment and retrofitting
- Replaces the standard section valves and hoses
- Only one electrical line per orifice and section required (Master-Slave version)
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line
- No additional electropneumatic valve bank required
- Easy mounting of the pneumatic hoses
- Individual nozzle control possible with additional controller

#### Benefits for the end user:

- Ideal for spray operators requiring different application rates/drop sizes/fast and easy nozzle change
- Nozzle control is operated directly on the spray line
- Fast and safe ON/OFF control reduces chance of overapplication
- Selective manual or automatic nozzle-switching is possible, depending on the electronic equipment
- GPS-controlled single nozzle or section control is possible with additional controllers
- Instant liquid spray pressure at all nozzles when turning on (circulation system)
- Pressure recirculation system possible
- Minimal residual chemicals = less waste, reduced costs and safer environment

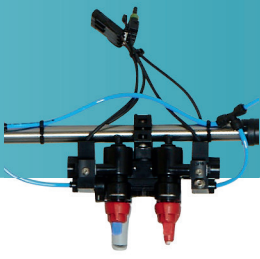


# Multi-Spray Direct Control Single Twin



## Multi-Spray Direct Control Single Twin position 0°/0°

Art-No.	Type	A mm	B mm	C mm	D mm	E mm	AS1 mm	AS2 mm	AS3 mm
83303	Multi-Spray Direct-Control 2N; ½" ; Ø9,5	30	42	103	92	85	½"	Ø6	Ø9,5
83304	Multi-Spray Direct-Control 2N; ¾" ; Ø9,5	30	42	109	92	85	¾"	Ø6	Ø9,5
83305	Multi-Spray Direct-Control 2N; ¾" ; Ø11	30	42	109	92	85	¾"	Ø6	Ø11
83306	Multi-Spray Direct-Control 2N; 1" ; Ø9,5	30	42	114	92	85	1"	Ø6	Ø9,5
83307	Multi-Spray Direct-Control 2N; 1" ; Ø11	30	42	114	92	85	1"	Ø6	Ø11



### Multi-Spray Direct Control Quad

**Pneumatic nozzle body with additional electro pneumatic valves mounted on the body**

#### Specifications:

- Electropneumatic valve for ON and OFF operation is mounted directly on the nozzle body
- Control current < 0,06A
- 12 V Voltage
- Maximum spray liquid pressure: 15 bar
- Minimum pneumatic pressure: 4,5 bar
- Maximum pneumatic pressure: 6,5 bar

#### System integration into the field sprayer:

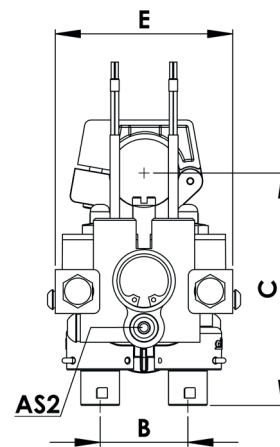
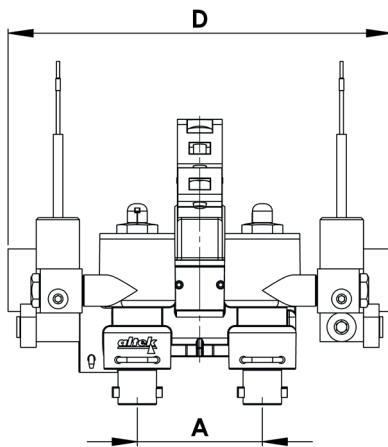
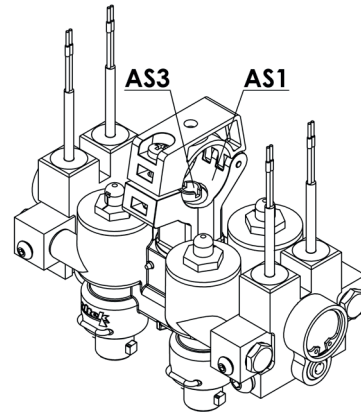
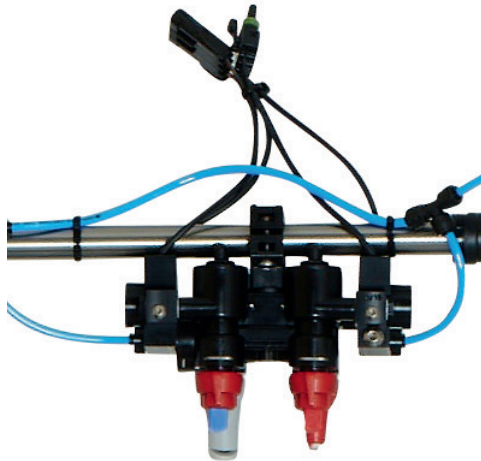
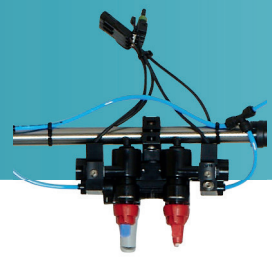
- For OEM original fitment and retrofitting
- Replaces the standard section valves and hoses
- Only one electrical line per orifice and section required (Master-Slave version)
- Reduction in residual liquids, recirculation possible by mounting hoses in a ring line
- No additional electropneumatic valve bank required
- Easy mounting of the pneumatic hoses
- Individual nozzle control possible with additional controller

#### Benefits for the end user:

- Ideal for spray operators requiring different application rates/drop sizes/fast and easy nozzle change
- Nozzle control is operated directly on the spray line
- Fast and safe ON/OFF control reduces chance of overapplication
- Selective manual or automatic nozzle-switching is possible, depending on the electronic equipment
- GPS-controlled single nozzle or section control is possible with additional controllers
- Instant liquid spray pressure at all nozzles when turning on (circulation system)
- Pressure recirculation system possible
- Minimal residual chemicals = less waste, reduced costs and safer environment



# Multi-Spray Direct Control Quad



## Multi-Spray Direct Control Quad position 0°/0°

Art-No.	Type	A mm	B mm	C mm	D mm	E mm	AS1 mm	AS2 mm	AS3 mm
83253	Multi-Spray Direct-Control 4N; ½" ; Ø9,5	60	42	103	184	85	½"	Ø6	Ø9,5
83254	Multi-Spray Direct-Control 4N; ¾" ; Ø9,5	60	42	109	184	85	½"	Ø6	Ø9,5
83255	Multi-Spray Direct-Control 4N; ¾" ; Ø11	60	42	109	184	85	¾"	Ø6	Ø11
83256	Multi-Spray Direct-Control 4N; 1" ; Ø9,5	60	42	114	184	85	1"	Ø6	Ø9,5
83257	Multi-Spray Direct-Control 4N; 1" ; Ø11	60	42	114	184	85	1"	Ø6	Ø11

87 oder 85 wie im deutschen?