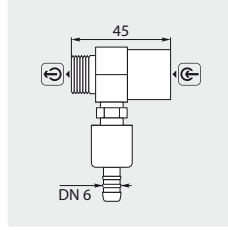
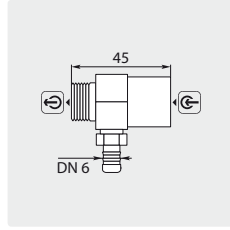


Chemical injectors

R+M 300



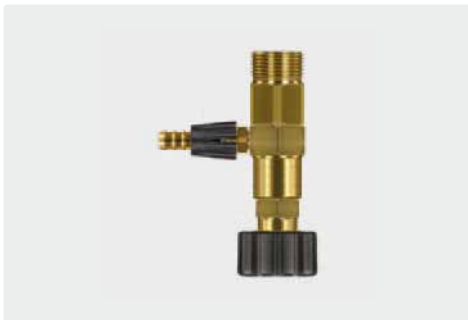
Without metering valve. Max. 220 bar / 90 °C

Injector with metering valve. Max. 220 bar / 90 °C

| R+M Nr. | ⊖ | ⊕ | D |
|-----------|--------|--------|--------|
| 544 318 0 | 3/8" M | 3/8" F | 1.8 mm |
| 544 321 0 | 3/8" M | 3/8" F | 2.1 mm |
| 544 323 0 | 3/8" M | 3/8" F | 2.3 mm |

| R+M Nr. | ⊖ | ⊕ | D |
|-----------|--------|--------|--------|
| 544 318 1 | 3/8" M | 3/8" F | 1.8 mm |
| 544 321 1 | 3/8" M | 3/8" F | 2.1 mm |
| 544 323 1 | 3/8" M | 3/8" F | 2.3 mm |

R+M 300



Injector with metering valve. Max. 220 bar / 90 °C



Injector with metering valve, suction hose 1000 mm and suction filter ST-31. Max. 220 bar / 90 °C

| R+M Nr. | ⊖ | ⊕ | D |
|------------|--------|--------|--------|
| 544 318 11 | M22 M | M22 F | 1.8 mm |
| 544 321 11 | M22 M | M22 F | 2.1 mm |
| 544 323 11 | M22 M | M22 F | 2.3 mm |
| 544 318 12 | M21 M | M21 F | 1.8 mm |
| 544 321 12 | M21 M | M21 F | 2.1 mm |
| 544 323 12 | M21 M | M21 F | 2.3 mm |
| 544 318 13 | 1/2" M | 1/2" F | 1.8 mm |
| 544 321 13 | 1/2" M | 1/2" F | 2.1 mm |
| 544 323 13 | 1/2" M | 1/2" F | 2.3 mm |

| R+M Nr. | ⊖ | ⊕ | D |
|------------|--------|--------|--------|
| 544 318 14 | M22 M | M22 F | 1.8 mm |
| 544 321 14 | M22 M | M22 F | 2.1 mm |
| 544 323 14 | M22 M | M22 F | 2.3 mm |
| 544 318 15 | M21 M | M21 F | 1.8 mm |
| 544 321 15 | M21 M | M21 F | 2.1 mm |
| 544 323 15 | M21 M | M21 F | 2.3 mm |
| 544 318 17 | 1/2" M | 1/2" F | 1.8 mm |
| 544 321 17 | 1/2" M | 1/2" F | 2.1 mm |
| 544 323 17 | 1/2" M | 1/2" F | 2.3 mm |

Functional principle of a chemical injector

High pressure phase

High pressure phase

Low pressure phase

Low pressure phase

The operation of the injector depends on:

- 1 The nozzle type must be chosen in dependence on the output of the high pressure cleaner.
- 2 The difference of pressure allows addition of chemical products occurred by special effect of "venturi" nozzle. This effect is given when the water also rinses through the low pressure nozzle. This has a bigger orifice than the high pressure nozzle and is mounted on the spray lance (e. g. at a double lance).
- 3 Length of the high pressure hose (should not be longer than 20 m).
- 4 Internal diameter of the high pressure hose (the longer the hose the bigger should be its internal diameter). Hose extensions injure output of the injector.

Suttner chemical injectors

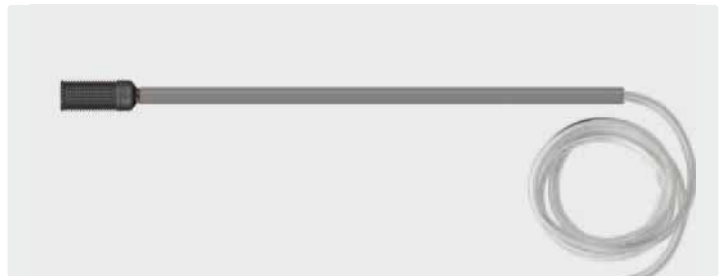
ST-64 upstream chemical injectors



Injector with shiftable and disengageable chemical dosing. For suction of chemicals in the water inlet of the pump. Mixtures of chemicals/water can be applied by high pressure. Please use the backflow preventer (R+M Nr. 734 10). Hose tail 6 mm. Max. 10 bar / 90 °C

| R+M Nr. | ⊖ | ⊕ | ⊖ |
|-------------|--------|--------|---------------|
| 200 064 500 | 1/2" M | 1/2" F | 5 – 15 l/min |
| 200 064 510 | 1/2" M | 1/2" F | 15 – 30 l/min |

Suttner chemical suction sets



Suction sets with suction hose 1500 mm, suction filters ST-31 and chemical-resistant plastic tube 320 mm. The tube keeps the suction filter at the deepest point.

| R+M Nr. | TYP | DN |
|-------------|----------------------------|------|
| 200 031 500 | Clear PVC hose | 6 mm |
| 200 031 510 | Reinforced PVC hose blue | 9 mm |
| 200 031 520 | Reinforced PVC hose yellow | 9 mm |
| 200 031 530 | Reinforced PVC hose clear | 9 mm |

Symbols ⊕ inlet ⊖ outlet → flow ∅ diameter D nozzle TYP type DN nominal diameter P pressure ⊙ thread