

Assembling - Maintenance

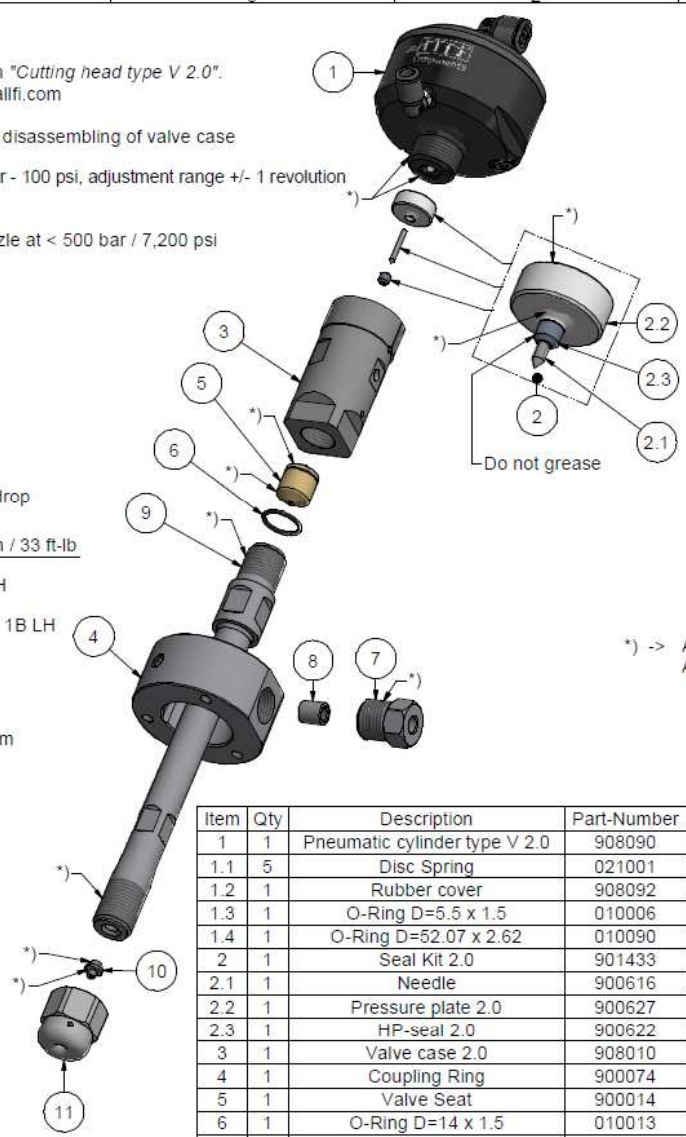
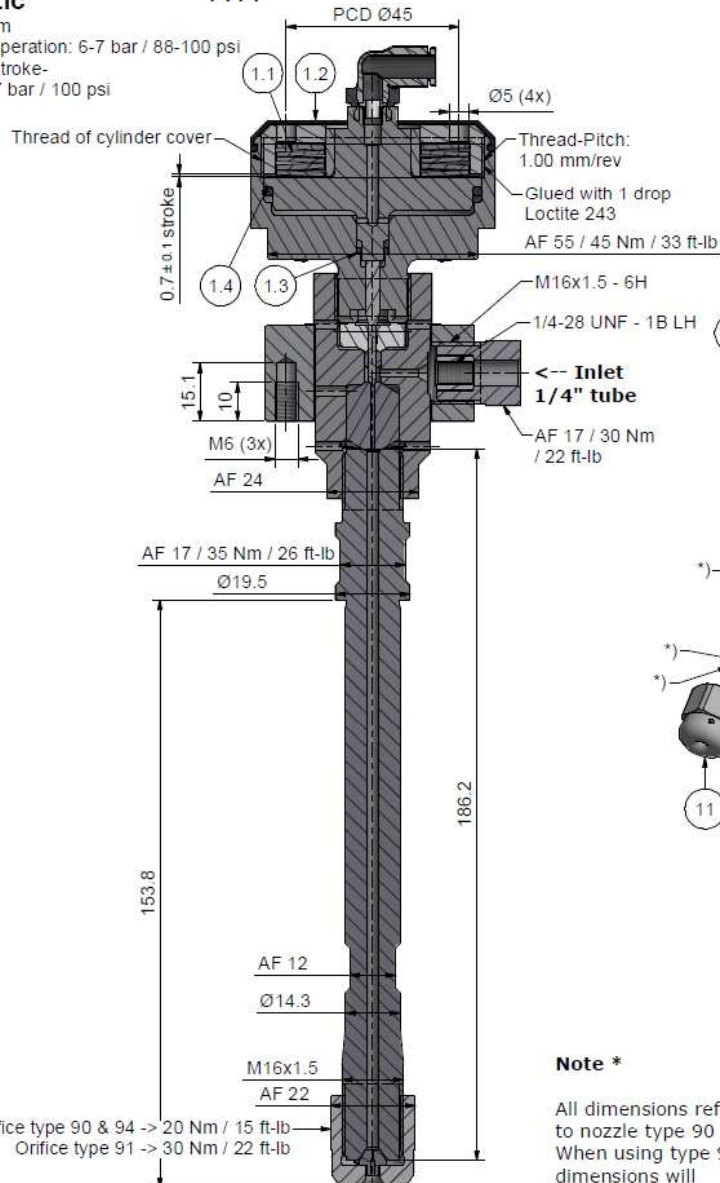
This drawing is appendix A of the installation and maintenance instruction "Cutting head type V 2.0". The complete installation and maintenance instruction is hosted at www.alfi.com

- Pneumatic-cylinder must be pressurised with air during assembling and disassembling of valve case and collimation tube
- Stroke adjustment: Stroke 0.6 - 0.8 mm / 0.0235 - 0.0315", air pressure 7 bar - 100 psi, adjustment range +/- 1 revolution (Attention: Thread of cylinder cover must not be visible)
- Function test with several open and closed cycles
- After finishing maintenance flush the complete cutting head without nozzle at < 500 bar / 7,200 psi
- Pressure relief holes must not be covered or closed

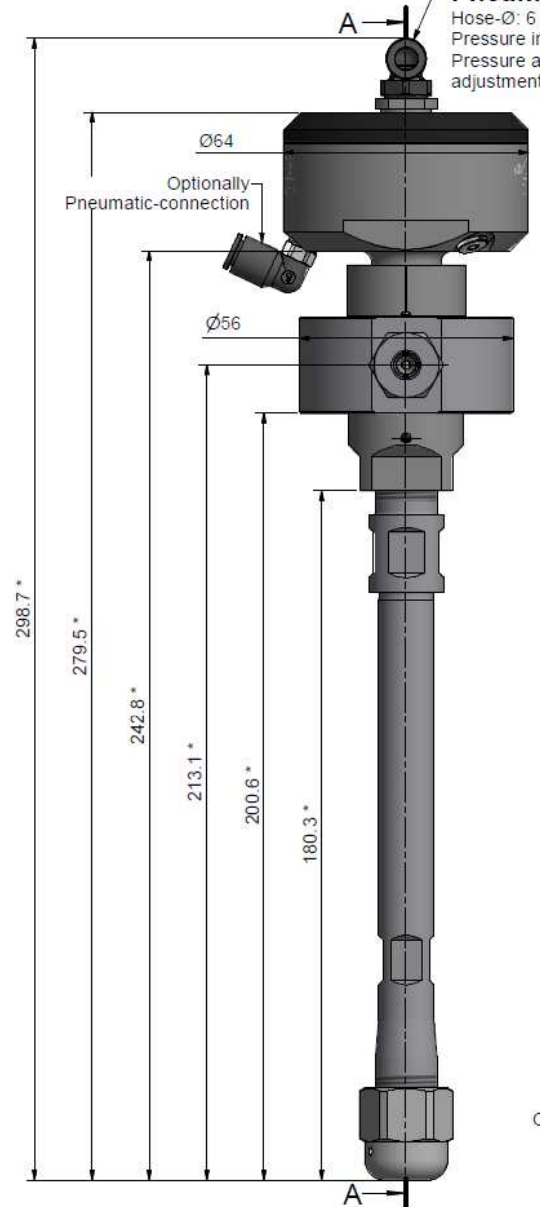
Pneumatic

Hose-Ø: 6 mm
 Pressure in operation: 6-7 bar / 88-100 psi
 Pressure at stroke-adjustment: 7 bar / 100 psi

A-A



*) -> Assembly-Grease DX
 Alfi-Art.: 051055



Item	Qty	Description	Part-Number	Comments	Weight
1	1	Pneumatic cylinder type V 2.0	908090		343.3 g
1.1	5	Disc Spring	021001		14.3 g
1.2	1	Rubber cover	908092		3.9 g
1.3	1	O-Ring D=5.5 x 1.5	010006		0 g
1.4	1	O-Ring D=52.07 x 2.62	010090		0.9 g
2	1	Seal Kit 2.0	901433	Wear part	11.5 g
2.1	1	Needle	900616		0.4 g
2.2	1	Pressure plate 2.0	900627		11 g
2.3	1	HP-seal 2.0	900622		0.1 g
3	1	Valve case 2.0	908010	Wear part	235.2 g
4	1	Coupling Ring	900074		305.8 g
5	1	Valve Seat	900014	Wear part	17.2 g
6	1	O-Ring D=14 x 1.5	010013		0.1 g
7	1	Gland Nut 1/4"	701403		29.1 g
8	1	Collar 1/4"	711403		3.1 g
9	1	Collimation Tube L=186.2	970086	Wear part	252.1 g
10	1	Orifice Type 94	0094xx		1.1 g
11	1	Orifice Cap M16 x 1.5	900060		47.1 g
12	1	Push-In Fitting elbow 6mm	030100		4.3 g

General tolerances ISO 2768-1 m		Designs and drawings created and produced by the contractor are the contractor's intellectual property and may only be used for the purposes of the order.		Weight
Amendment:		Replaced for	-	1.25 kg
		Replaced by	-	
		Drawn	09.01.2019 AM	
		Checked	14.01.2019 RB	
		Release	18.01.2019 SS	
		Index-release		

Cutting head type V 2.0 PWJ SP8

Scale 1 : 1

ALFI AG - RIEDENMATT 1 - CH-6370 STANS
 PHONE +41(0)41-818 05 05 - TELEFAX +41(0)41-818 05 10
 E-MAIL: sales@alfi.com <http://www.alfi.com>

Max. 4150 bar / 60,000 psi
 KMT
908009
 Index -
 Sheet-No. 2
 No. of sheets 2

Note *
 All dimensions refer to nozzle type 90 & 94. When using type 91 all dimensions will increase by 2.5mm