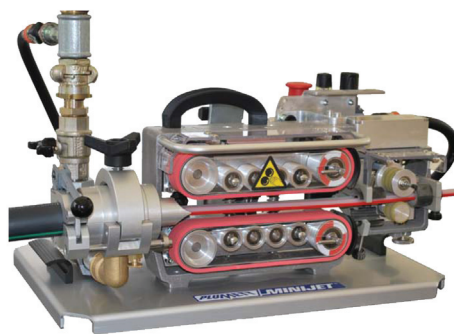


PLUMETTAZ S.A. **MINIJET-P02** TECHNICAL SPECIFICATIONS

FIELD OF APPLICATION

The MiniJet-P02 is designed for the laying of telecommunication cables (optic fibre, coaxial or multipair) in preinstalled ducts with the Jetting or floating methods. The MiniJet-P02 operates according to the "jetting" method which consists in the combination of a mechanical pushing force and a high speed air stream along the cable surface. The MINIJET can also: Install cable and microduct bundles (MD); push fibreglass rods into ducts. Please consult with us or the distributor for any application not mentioned above. "Jetting" offers the following advantages: Transport loads are spread over the whole length of the cable; compared to pulling (with a rope or a shuttle), bends or undulations have a low influence on the jetting performance; safe operation for personnel and equipment; easy to operate; reduced infrastructure and manpower costs; high daily production. This enables you to: Install very long uninterrupted sections of cable without any need for a pulling armour up to 3000 meters; place directly, without any manual intervention, fibre optic cables over several manholes into their final location; directly bury the protection duct into the ground without worrying about undulations or number of bends; pull several sub ducts simultaneously, without concern about twisting in the main duct; secure a quasi-constant daily installation capacity whatever the complexity of the duct route and remove from a duct a cable and replace it by another one in a single operation by simply coupling the old cable to the new one.



TECHNICAL FEATURES

MiniJet-P02 includes the following sub-units: 2.1 The pusher (cable feeder). The cable is pushed by a feeder fitted with 2 synchronized belts driven by a pneumatic motor. The cable is driven by friction between the 2 belts. The radial pressure on the cable can be adjusted. The speed of the pusher is controlled by a pneumatic control valve. 2.2 The cable entry device with indicator. Guides the cable into the pusher and measures the speed and the installed distances. Includes: One cable entry guide; one speed and distance measuring counter VL20; one adjustable cable guide that guides the cable precisely through the pusher. 2.3 The air inlet chamber. Fitted with: A claw coupling 42 mm DIN 3238 (SSGA 10), enabling the connection to the air supply hose; a 1" entry valve; a 0-25 bar pressure gauge; a 1/4" bleed-off valve. Adaptation to the different duct diameters is made through interchangeable duct inserts (accessories). Adaptation to the different cable diameters is made through interchangeable cable inserts and seals (accessories). 2.4 The air treatment unit Includes: An inlet valve ON/OFF; a control pressure filter with water separator and bleed-off valve; a pressure gauge to measure the entry pressure of the pneumatic motor and a lubricator with oil reservoir and level indicator. The lubricant flow is visible through the transparent reservoir.

OPERATION AND MAINTENANCE

Easy to use. Easy to maintain, no need for special tools.

COMPLIANCE TO REGULATIONS

Designed in accordance with EC Directive for Machinery No 2006/42/EC & Appendix.

STANDARD EQUIPMENT

Each MiniJet-P02 is supplied with: A storage box (600 x 400 x 340 mm); a tool box (600 x 400 x 135 mm); tools & some spare parts; 0,5L of lubricant for the pneumatic motor; a bottle of lubricant - Jetting Lube & Microjetting Lube; a 1" air hose to connect the MiniJet-P02 to the compressor, an air hose to connect to the pneumatic motor with pressure reducing valve 7 bar and a user's and maintenance manual.

ACCESSORIES

Duct inserts with "O-ring" seal for duct \varnothing : 7, 8, 10, 12, 14, 15, 16, 18, 20, 25, 32, 40 and 42 mm.

Cable inserts without lip seal for cable \varnothing : 4 – 5 mm, 6 – 8 mm, 9 – 12 mm and 13 – 16 mm. Set of 6 lip seals for cable inserts (cable \varnothing to be specified when ordering); a V-shaped belt for MiniJet-P02; and a flat belt for MiniJet-P02. Other dimensions on request. For available spare parts and optional accessories, please contact us.

TECHNICAL CHARACTERISTICS		
Cable range \varnothing	mm	4 - 16
Duct outer diameter	mm	7 - 42
Linear pressure on cable	N/cm	0 - 100
Installation speed	m/min	0 - 100
Recommended installation speed	m/min	40
Pushing force	N	0 - 300
Max. pushing force at 60 m/min	N	0 - 150
Maximum air consumption of the pneumatic motor	m ³ /min	0,5 (at 4 bar) 0,8 (at 6 bar)
Weight of MiniJet only	kg	20
Weight of MiniJet + box + tools and accessories with box	kg	37
Specific acoustic pressure at work station	dB(A)	86
Acoustic power level	dB(A)	99
COMPRESSED AIR SUPPLY		
Each MiniJet must necessarily be supplied with air according to the following characteristics:		
Max. air pressure	bar	16
Nominal flow for duct OD < 8 mm	m ³ /min	0,8
Nominal flow for duct OD 8 -12 mm	m ³ /min	1
Nominal flow for duct OD 12 – 15 mm	m ³ /min	1,5
Nominal flow for duct OD 15 – 20 mm	m ³ /min	3
Nominal flow for duct OD 20 – 25 mm	m ³ /min	4
Nominal flow for duct OD 25 – 32 mm	m ³ /min	5
Nominal flow for duct OD 32 – 42 mm	m ³ /min	7
For safety reasons, the compressors having a nominal pressure of over 12 bars must be equipped with a device limiting this pressure to 16 bars. At ambient temperatures over 25 °C, it is highly recommended to use an air after cooler.		
WATER SUPPLY INSTEAD OF COMPRESSED AIR		
Max inlet pressure.	bar	25

