

## MULTITYPHOON

### FIBER OPTIC CABLE BLOWING SET

#### ADVANTAGES:

- zero air consumption
- dual fiber cable jetting adjustment: pushing force and working speed are controlled individually
- blowing head is possible to disconnect at any moment
- permanent measurement of pushing force
- automatic shutdown after reaching of preset installation distance

#### 1. MULTITANK feeder



Parameter	unit	MULTITANK
Supply voltage	V	230
Capacity	W	1000
Pushing force adjustment range	N	140-750 / 400-950*
Working speed adjustment range	m/min	12-60
Fiber cables diameters	mm	1-20
Dimensions (LxWxH)	cm	58x33x28
Weight	kg	35

\* it is possible to change controller's configuration to achieve demanding pushing force according to customer demands. By default the maximum pushing force of the cable feeder

#### SPECIFICATION:

- results of permanent pushing force measurement is shown on indicator
- automatic shutdown after reaching of preset installation distance
- the only machine available in the market with replaceable blowing heads
- real-time indications allow to see an effect of pressure adjustment on the value of pushing force
- observations of current pushing force show possible reasons of cable stops and allow to estimate the distance of possible introduction. It makes easier to decide if the fiber cable should be withdrawn in the nearest manhole or it is possible to continue jetting.
- electronic meter interconnected with the drive allows automatic shutdown of the machine after reaching of preset installation distance
- easy disassembly of the head enables simple and quick manual introduction of the cable in the manhole or pit
- due to its modular construction the cable feeder machine can be used for fiber cable introduction into pipes of any diameter.
- the possibility of pushing force adjustment independently from working speed protects thin and fragile fiber cables from injury in case of sudden stop
- head's mount is height adjustable and combined with precisely profiled seals and inserts provides perfect alignment of fiber cable from belts to the head.

# MAX *Sita Przebicia*

TERMA Spółka z o. o.  
80-298 Gdańsk  
Czaple 100  
www.termamax.com  
mole@termagroup.pl

## 2. MICROTYPHOON head



Allows for introduction of fiber optic micro cables with diameters of 1-10 mm in micro ducts with external diameters of 7-16 mm. Working pressure up to 25 bar. The blowing head can be used as a part of MULTITANK cable feeder machine or as an independent device for introduction of micro cables manually. This feature is dedicated for companies that sporadically blow fiber cables. It is also useful feature when introduction is made through a problem section. It is also successfully manages with cable-blowing by using of the end piston method (fast and reliable method with low air consumption that is dedicated for some micro ducts diameters).

## 3. TYPHOON 32/40 head



Allows for introduction of fiber optic micro cables with diameters of 5-20 mm in casing pipes with external diameters of 32 or 40 mm. Working pressure up to 15 bar. The blowing head can be used as a part of MULTITANK cable feeder machine or as an independent device for introduction of micro cables manually. This feature is dedicated for companies that sporadically blow fiber cables. It is also useful feature when introduction is made through a problem section.

## 4. TYPHOON 50/63 head



Allows for introduction of fiber optic micro cables with diameters of 5-20 mm in casing pipes with external diameters of 50 or 63 mm. Working pressure up to 15 bar. The blowing head can be used as a part of MULTITANK cable feeder machine or as an independent device for introduction of micro cables manually. This feature is dedicated for companies that sporadically blow fiber cables. It is also useful feature when introduction is made through a problem section. TYPHOON 50/63 also allows to install fiber packages 3x12mm, 5x10mm, 7x10mm and fiber packages in cover 2x12mm and 3x12mm.

## 5. TYPHOON Y2 head

For installing new fiberglass into the tubes diameter 32-40 mm when other 1-2 fiberglasses installed.

### TECHNICAL PARAMETERS of head:

Parameter	unit	MICRO TYPHOON	TYPHOON 32/40	TYPHOON 50/63	TYPHOON Y2
Maximum working pressure	bar	25	15	15	15
Fiber cables diameters	mm	1-10	5-20	5-20	5-20
Target pipe diameters	mm	7-16	32-40	50-63	32-40
Weight	kg	4	6	8	8
Dimensions (LxWxH)	cm	53x38x18	53x38x18	53x38x18	53x38x18

### AIR CONSUMPTION depending on the diameters:

Diameter of fiber	Air consumption
Microfiber up to 8 mm	0,3 m <sup>3</sup> /min (16 bar)
Microfiber 8-12 mm	0,5 m <sup>3</sup> /min (16 bar)
Microfiber 12-14 mm	0,6 m <sup>3</sup> /min (16 bar)
HDPE pipe 32 mm	3,5 m <sup>3</sup> /min (9 bar); 6 m <sup>3</sup> /min (14 bar)
HDPE pipe 40 mm	6 m <sup>3</sup> /min (9 bar); 8 m <sup>3</sup> /min (14 bar)
HDPE pipe 50/63 mm	6 -12 m <sup>3</sup> /min*

\* depending on the installed fiberglass  
Higher pressure allows installing longer distance of fiber