

# Economy



Turbo-Drag Pumping Station  
for Analytical Instruments and R & D

## Low-cost Pumping Station

- ▶ Benchtop Station with high pumping speed
- ▶ Dry unit, hydrocarbons free
- ▶ Ultimate pressure <math> < 10^{-8}</math> mbar
- ▶ Low energy consumption (140 W)
- ▶ Easy to service
- ▶ DCU allows control and diagnostics of pumping station
- ▶ Easy intergration of Pfeiffer Vacuum Gauges (plug and play)



## Individual components



DCU 001



MVP 015-2



TMH/U 071

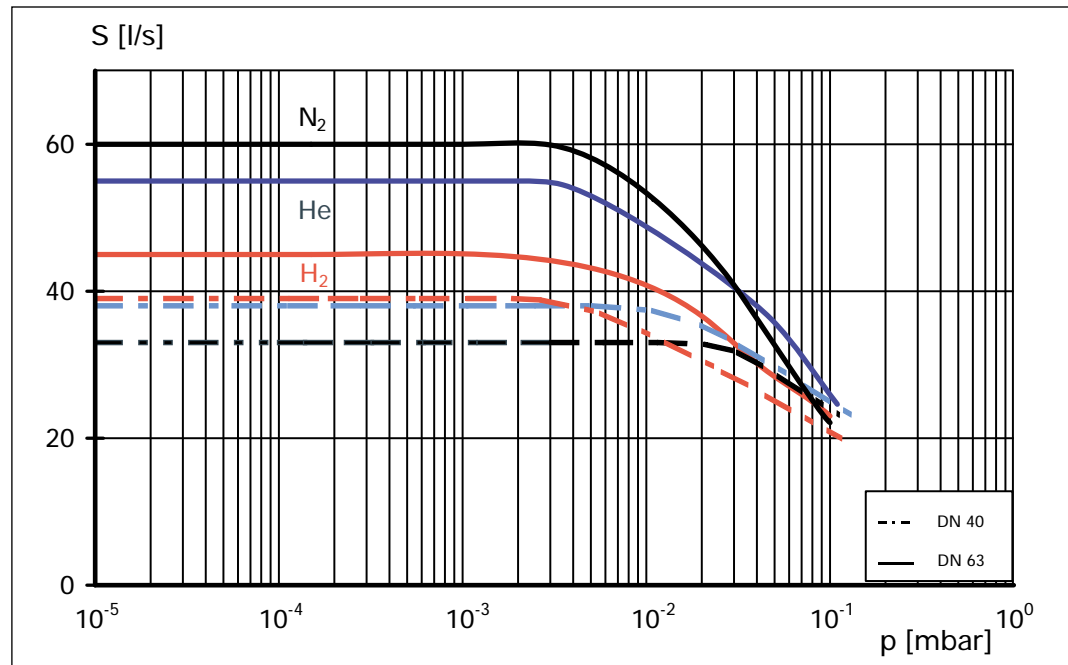
## Technical Data / Order Numbers

Turbo-Drag-Pumping Station		Economy
<b>Connection flange</b>		
Input	DN 40 ISO-KF	DN 63 ISO-K DN 63 CF-F
Pumping Speed N <sub>2</sub>	33 l/s	60 l/s
Compression ratio N <sub>2</sub>	> 10 <sup>11</sup>	> 10 <sup>11</sup>
Final pressure	< 10 <sup>-8</sup> mbar	
Mains requirement	90 - 132 / 185 - 265 V AC	
Power consumption	140 Watt	
Start-up time	2 min.	
Pumping Station components	TMH/U 071, MVP 015-2, TPS 100	
Weight	15 kg	

Order Numbers			
<b>Without DCU 001<sup>1)</sup></b>		<b>with DCU 001<sup>1)</sup></b>	
TSH, DN 40 ISO-KF	<b>PM S03 522</b>	TSH, DN 40 ISO-KF	<b>PM S03 527</b>
TSH, DN 63 ISO-K	<b>PM S03 520</b>	TSH, DN 63 ISO-K	<b>PM S03 525</b>
TSU, DN 63 CF-F	<b>PM S03 521</b>	TSU, DN 63 CF-F	<b>PM S03 526</b>
<b>Mains cable</b>			
230 V		<b>P 4564 309 ZA</b>	
208 V		<b>P 4564 309 ZF</b>	
115 V		<b>P 4564 309 ZE</b>	
<b>Accessories</b>			
DCU 001		<b>PM 041 816 AT</b>	
Venting valve TVF 005, 24 VDC		<b>PM Z01 135</b>	
Water cooling		<b>PM 016 000-T</b>	
Heating, 230 V		<b>PM 041 900-T</b>	
Heating, 208 V		<b>PM 041 901-T</b>	
Heating, 115 V		<b>PM 041 902-T</b>	
Sealing gas valve		<b>PM Z01 142</b>	
Protective grill DN 63		<b>PM 006 597-R</b>	
Splinter shield DN 40		<b>PM 006 375-X</b>	
Splinter shield DN 63		<b>PM 006 376-X</b>	
<b>Gauges</b>			
Compact Capacitance CMR 261 <sup>2)</sup>		<b>PT R24 501</b>	
Compact FullRange PKR 251 <sup>3)</sup>		<b>PT R26 000</b>	
Compact Pirani Gauge TPR 265 <sup>2)</sup>		<b>PT R26 750</b>	
Sensor cable 3 m		<b>PT 448 250-T</b>	

<sup>1)</sup> Mains cable not included    <sup>2)</sup> Connection flange DN 16 ISO-KF    <sup>3)</sup> Connection flange DN 25 ISO-KF

## Pumping speed



## Dimensions in mm

