



HIGHVAC



FONDAREX MODULAR



new

| | | TOTALLY MODULAR ENHANCED CONTROL POSSIBILITIES INDUSTRY 4.0 COMPLIANT | |
|--------------------------------|---|---|--|
| |  HIGHVAC SERIES Still available |  FONDAREX MODULAR SERIES Available from mid-2018 | |
| PRODUCT RANGE | Economy Progress Premium Ultimate | | Modular configuration depending on the die cast cells and the projects. <ul style="list-style-type: none"> - Mobile / cell / central vacuum system - 2 / 4 / 6 independent vacuum channels - 300 / 750 / 1200 / 2000 / 3000 l tanks - 25 / 40 / 63 / 100 / 160 m³/h pumps |
| CONTROL POSSIBILITIES | Economy / Progress <ul style="list-style-type: none"> - Vacuum measurement in cavity - Vacuum measurement in tank - Pollution control of filter and hose - Profile control of vent | | Modular <ul style="list-style-type: none"> - Vacuum measurement in cavity - Constant vacuum measurement in tank - Reactive vacuum with the advanced vacuum unit close to the die (opt.) - Real-time vacuum regulation (opt.) - Pollution control of filter and hose - Profile control of vent - Evacuated air volume measurement - Air flow measurement (opt.) - Control of the evacuated air quality (opt.) - Control of evacuated air humidity (opt.) - Leak measurement (opt.) - Pump performance measurement (opt.) - Energy and consumption measurement (opt.) |
| | Premium / Ultimate <ul style="list-style-type: none"> - Vacuum measurement in cavity - Vacuum measurement in tank - Vacuum regulation - Pollution control of filter and hose - Profile control of vent - Evacuated air volume measurement - Control of evacuated air humidity (opt.) | | |
| HUMAN-MACHINE INTERFACE | - Siemens HMI 7" / 9" | | <ul style="list-style-type: none"> - Siemens HMI 12" - Redesigned intuitive interface - Automatic mode function for easy use of the vacuum system |
| INDUSTRY 4.0 | The Highvac series has the possibility to save the vacuum process data. Data transfer to other devices. | | The intelligent Modular series has a new and special automation dedicated to enhanced data analysis with the possibility of performant statistics and quality control. Easy data transfer to other devices. |
| PRICES | Defined prices for each model. | | Configurable price depending on the options chosen for the Modular system. |

SUPERVAC



FONDAREX KINETIC VALVE



new

CHILL-BLOCK





FONDAREX DYNAMIC VENT





new

**HIGHER PERFORMANCE
ENHANCED RELIABILITY**

| |  <p>SUPERVAC MACRO Still available</p> |  <p>FONDAREX KINETIC VALVE 320 Available from mid-2018</p> | |
|--|--|--|--------------|
| EVACUATION SECTION | 160 mm ² | 320 mm ² | +100% |
| PISTON CLOSING DISTANCE | 7 mm | 5 mm | -30% |
| TIME of the metal to cover the distance between initial and evacuation piston | 1.7 ms with a metal speed of 100 m/s | 4.4 ms with a metal speed of 100 m/s | +160% |
| MAXIMUM PRESSURE on the mechanism | 45 kN with metal pressure of 1'000 bar | 13 kN with metal pressure of 1'000 bar | -70% |
| NUMBER OF VALVE PARTS | 40 parts | 27 parts | -30% |
| DIMENSION (height x width) | (171 mm x 150 mm) x 2 (valve + compensator) | 183 mm x 212 mm | -25% |
| WEIGHT | 28.4 kg + 25.4 kg (valve + compensator) | 25 kg | -55% |

**HIGHER PERFORMANCE
LESS PROJECTED AREA**

| |  <p>CHILL-BLOCK SCS 140 Still available</p> |  <p>FONDAREX DYNAMIC VENT 160 Available from mid-2018</p> | |
|--|---|---|-------------|
| EVACUATION SECTION | 140 mm ² | 160 mm ² | +15% |
| AIR RESISTANCE | Gap of 1.1 mm and 31 changes of direction with 15 teeth | Gap of 1.26 mm and 11 changes of direction with 5 teeth | -75% |
| DEVELOPED LENGTH of the profile | 350 mm with 15 teeth | 390 mm with 5 teeth | +10% |
| PROJECTED AREA of the profile | 32'000 mm ² | 23'000 mm ² | -30% |
| DIMENSION (height x width) | 360 mm x 150 mm | 276 mm x 150 mm | -25% |
| WEIGHT | 30.6 kg (fix) + 32.6 kg (mobile) | 18.9 kg (fix) + 20.4 kg (mobile) | -35% |



FONDAREX AT YOUR SERVICE

Our team of engineers provides quick and efficient service on production sites across the world. Through its strong international presence, Fondarex maintains a close relationship with its customers.

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