



MAC Solutions for PET blow moulding
Equipment : **SIDEL Series 1**



Stretch Rod Cylinder Valve

MAC Valves Europe, Inc. © 2007





MAC Solutions for PET blow moulding Equipment : **SIDEL Series 1**



Original Equipment

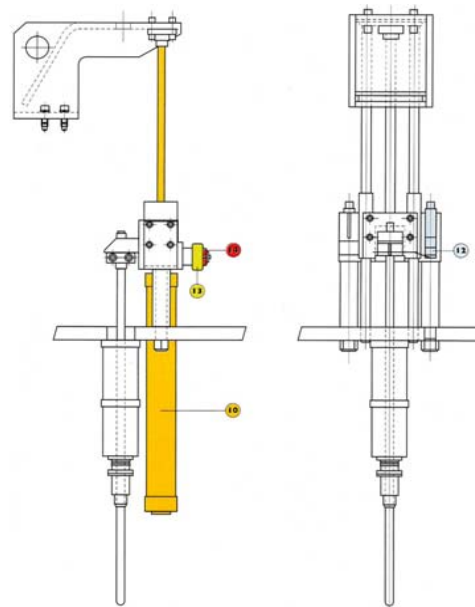
MAC Solution

MAC Benefits

Assembly

Application

- Solenoid actuates double effect cylinder controlling movement of the cam while the preform is being stretched in the mould.
- Activation of pneumatical operator is made by machine mounted mechanical cam.





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Application

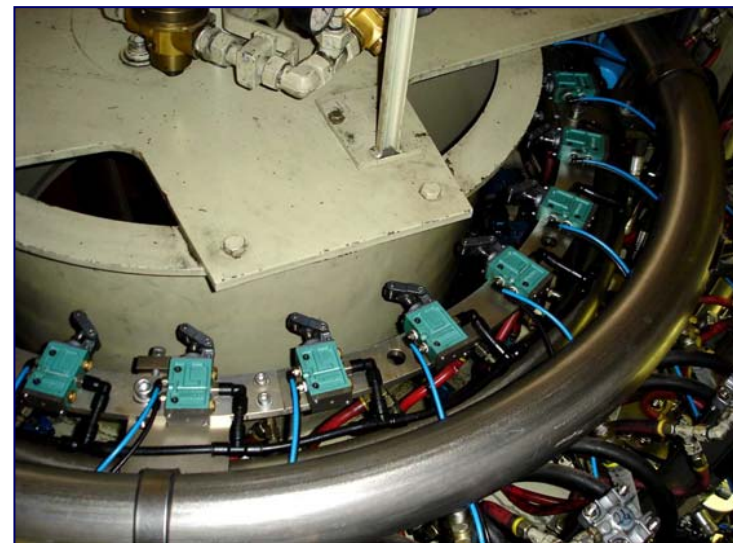
MAC Solution

MAC Benefits

Assembly

Original Equipment

- Mechanical Operator type NUMATICS
- # LV7VR51L
- Poor Reliability of Mechanical Lever in Horizontal Mounting (SBO2-4-6)
- Main Spool Sensitive to Contamination
- Weak Shock Absorption System
- Estimated Lifetime: 20 to 30 million cycles
- Flow: 700 NI /min
- Operator's Flow Determines Speed of Cylinder Retraction.





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Application

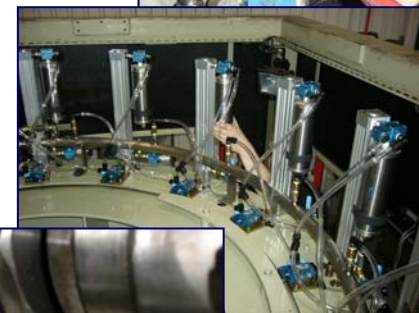
Original Equipement

MAC Benefits

Assembly

MAC Solution

- Codification:
 - **1: 180001-115-0145 Mod.: 4474**
 - **2: 180145-115-0001 Mod.: EC27**
- Drop In Replacement
- Robust Construction and Reliable Mechanical Lever
- Reliable Return Spring
- Enhanced Lifetime (Approved to 40 Million cycles)
- Flow : 1100 NI/min
- Insensitive to Contamination
- Faster Cylinder Retraction





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Application Original Equipment MAC Solution Assembly

MAC Benefits

Mobile Cylinder => Equal pressure

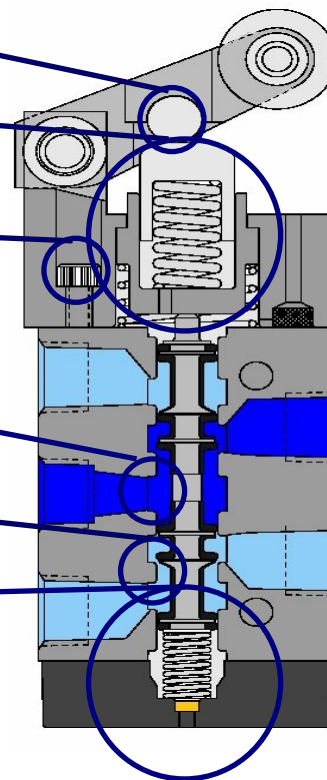
Long over stroke => Double Spring

4 mounting points => Enhanced Stability

Bigger Orifice
=> Better Flow Capacities

Rubber Coated Spool
=> Insensitive to Contamination

Rubber Coated Spool
=> Insensitive to Contamination



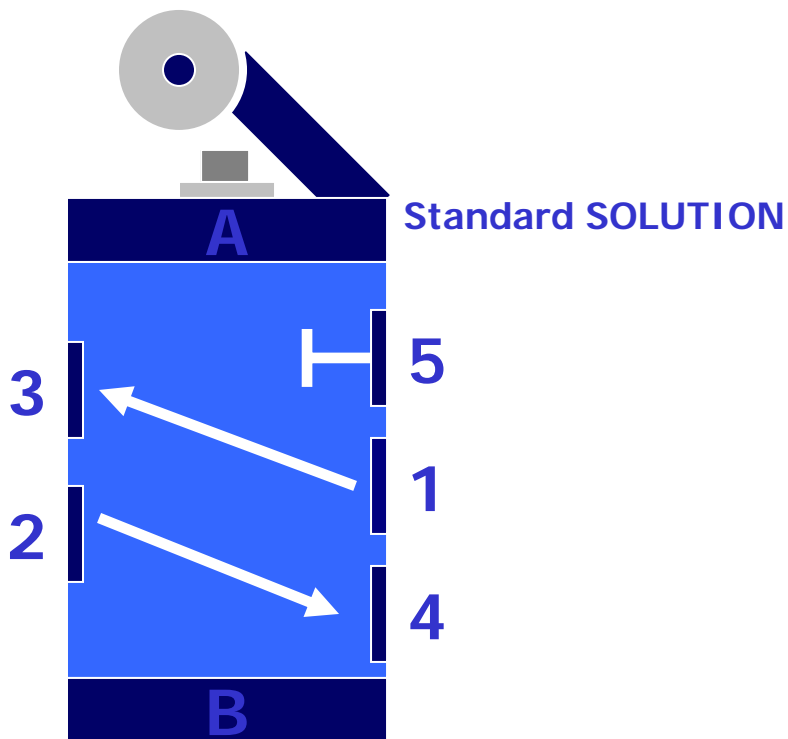


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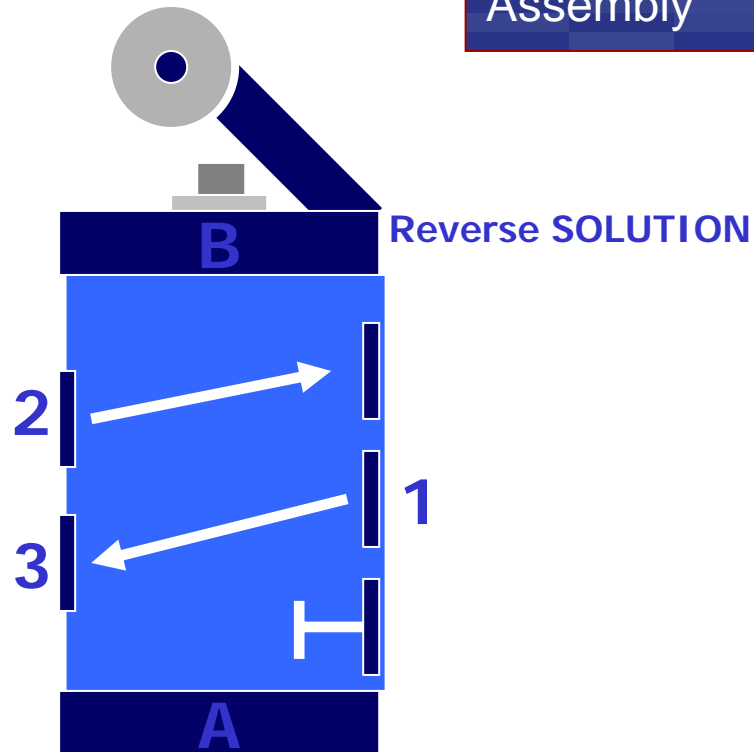


Application Original Equipment MAC Solution MAC Benefits

Assembly



180001-115-0144
Modification 4473



180144-115-0001
Modification EC27

