Technical News Bulletin

Cham, September 2018

New Generation Cartridge design - Fits all standard Applications!

59-27617, 59-27616 NO & 59-27677 NO Vacuum blank

Introduction

Cartridges are key elements on IS machines, accountable for performance, reliability and precision. The new cartridge generation is designed to suit all the different IS machine applications and to improve reliability, robustness and air throughput, matching continuous demands from IS machines. All the previous Cartridges will be replaced by the new generation.

Specification

New generation fits on all standard IS applications.

Availability / Applications

The new generation fits to all applications:
- 26 & 21 line valve block
- PCM for NIS and BIS
- FPS exhaust
  - Exception:
  - Vacuum valves blank side needs a version with stronger spring with new Part No. 59-27677

All prior Cartridges
- 59-27241 NC
- 59-27242 NO
- 59-27611 NO
- 59-27612 NC
- 400-3066-00 NC
- 400-3065-00 NO
are replaced by new generation 59-27617 NC and 59-27616 NO & 59-27677 NO Vacuum blank
Installation Requirements

For an easy and safe cartridge replacement a dedicated tool has been designed and is now available for purchase with part number 94-5501. The cartridge replacement tool consists of two plates with pins. The pins are designed to prevent damage to the O-rings by tight-closing the air passages of the valve body when inserting the cartridge. Tool 94-5501 is included in the set of tool for 26 Lines valve block 94-700-2.
Features / Benefits

- Compact high precision full aluminium design ➞ robustness, increased lifetime
- Seat valve, wear independent low friction ➞ responsiveness and repeatability
- Constant friction design ➞ consistent and precise operation
- Special piston sealing ➞ no air leakage (safety)
- No metal to metal guiding (bushing) ➞ longer lifetime
- For oily and dry air ➞ one for all applications
- Large openings ➞ increase air throughput - speed
- One standard cartridge for all IS machine ➞ one fits all – less spares