

## 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:

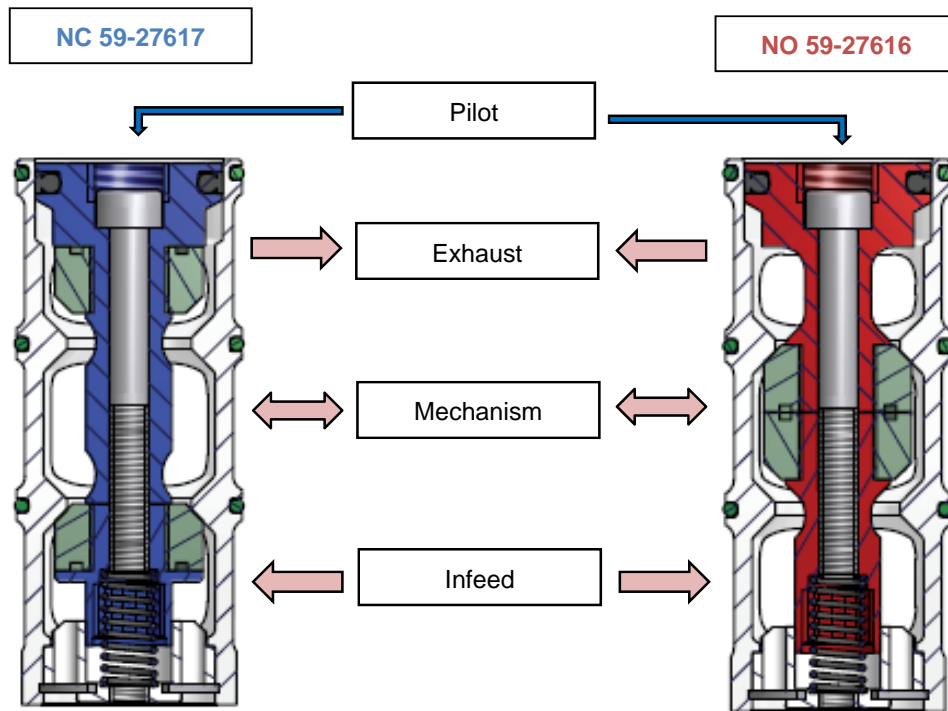
- 26 & 21 line valve block
  - PCM for NIS and BIS
  - FPS exhaust
- Exception:
- Vacuum valves blank side needs a version with stronger spring with new Part No. 59-27677

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





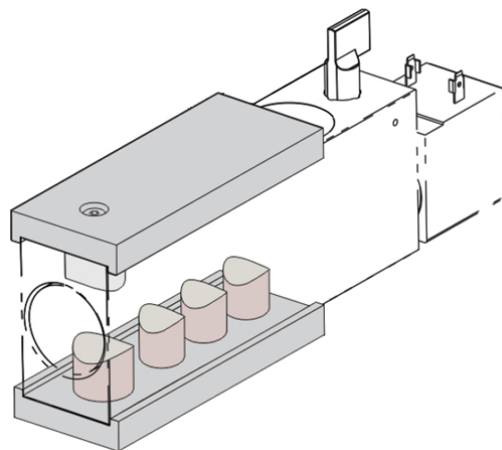
## Installation Requirements

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