

# VALVE SELECTION

## A QUICK OVERVIEW OF OUR LINE-UP

### UHPLC

#### 10K, 15K, AND 20K PSI INJECTORS AND SELECTORS

Cheminert UHPLC injectors, switching valves, and selectors with 360 micron, 1/32", or 1/16" fittings minimize internal volume and eliminate dead volume. Ideal for high speed, high throughput techniques.

##### NANOVOLUME® (100-150 µm)

Injectors .....PAGES 127, 134-135  
Internal sample injectors..... 127, 135  
Selectors (150 µm)..... 127, 154

##### MICROBORE® (250 µm)

Injectors .....PAGES 127, 136-137  
Internal sample injectors..... 137  
Selectors.....155

### FOR OEMs

#### INTEGRATED MOTOR/VALVES

See our low and high pressure integrated motor/injector and motor/selector assemblies designed specifically to be built into OEM systems.

HPLC injectors..... PAGES 162, 164, 166  
Low pressure injectors..... 168-169  
Selectors..... 170-171

#### 40,000 PSI ULTRA-HIGH PRESSURE INJECTOR SYSTEM

The VICI 40K UHPLC injector is comprised of six miniature air actuated needle valves, plumbed to simulate the flowpath of a conventional 6 port injector.

Product information.....PAGE 64

**HPLC**

**INJECTORS AND SELECTORS**

**CHEMINERT**

Cheminert valves for HPLC up to 5,000 psi include 4, 6, 8, and 10 port injectors, a through-the-handle front-loading injector, a continuous flow injector, and selectors with 4, 6, 8, and 10 positions. A submicroliter injector offers injection volume as small as 4 nanoliters. Valves feature 1/32" or 1/16" zero dead volume fittings with bore sizes from 0.10 mm (.004") to 0.75 mm (.030").

Injectors ..... PAGES 138-147  
 Internal sample injectors..... 139, 141, 145  
 Selectors..... 156-157

**VALCO**

Valco offers a diverse line in terms of number of ports, fitting sizes, and materials of construction. 3, 4, 6, 8, 10, 12 port versions are offered, with 1/32", 1/16", or 1/8" fittings. Alloys and polymer composites for rotors and bodies can meet virtually any system requirement. However, longest lifetime is provided by our Cheminert coated-stator injectors.

Injectors ..... PAGES 96-98  
 Internal sample injectors.....95  
 Selectors..... 114-115

**LC/FIA**

**LOW PRESSURE VALVES AND SELECTORS**

The Cheminert line offers two position valves with 4, 6, 8, 10, 12, or 14 ports, and stream selectors that can choose from as many as 28 streams.

Two position valves are available with 1/16" Valco ZDV fittings or 1/4-28 fittings for 1/16" or 1/8" tubing. Selectors offer those options plus a model with 1/2-20 fittings for 1/4" tubing and 20-28 stream versions with 6-40 fittings for 1/16" tubing.

Valves ..... PAGES 148-151  
 Internal sample injectors.....150  
 Selectors..... 158-161

**GC**

**VALCO INJECTORS AND SELECTORS**

Valco GC valves have been in almost all commercially-produced gas chromatographs from the time that valves originally began to replace other injection methods. New designs are smaller and easier to service, but still exhibit the quality and value that made them the industry standard.

Valves ..... PAGES 86-94  
 Internal sample injectors..... 88-89  
 Selectors..... 104-113

**DIAPHRAGM VALVES**

The VICI diaphragm valve is designed for trouble-free use in applications requiring minimal maintenance and maximum lifetime.

Product information ..... PAGES 122-124