




The impressive offer from SMC contains a variety of products for the flow regulation of different media for compressed air lines up to 2 inches.

Application examples are: Compressed air devices (drills, screwdrivers and wrenches), painting, powder coating, packing, grinding, brushing with wire brushes, polishing, sanding, shot blasting, general pneumatic control systems.



AC air preparation unit
Modular air preparation configured for your individual requirement



VBA booster regulator
It boosts the pressure of compressed air by four times, power-free operation



IDFA refrigerated air dryer
It reliably removes condensation from the compressed air



IDH thermal air dryer
It reliably removes condensation from the compressed air and controls the temperature it at the same time



ARG, ACG, AWG
Regulator and filter regulator with built-in pressure gauge in the handle



SMC Automation • Controls • Process

Leading global pneumatics and industrial automation components manufacturer dedicated to sustainable factory automation.

Serving the industries of semiconductor, food & packaging, life science, automotive, machine tool, process, natural resource, and general needs for automation, controls, and process.



Global Presence

- 532 Sales Offices in 83 Countries
- Production Facilities in 29 Countries and Regions
- Technical Centers in Japan, the U.S., Europe, and China

Extensive Product Line

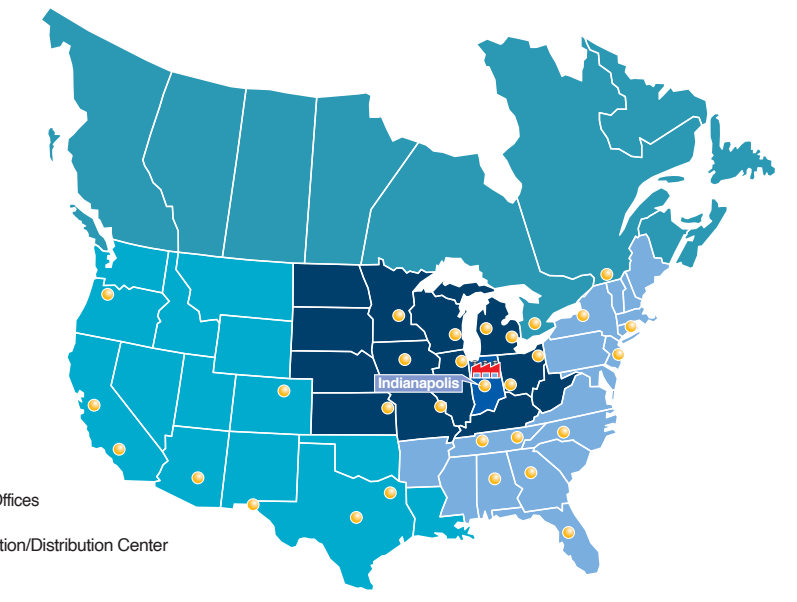
- 12,000 Basic Models with over 700,000 variations
 - Actuators
 - Sensors & Switches
 - Connectors
 - Process Gas
 - Electrical Products
 - Vacuum
 - Temperature Control
 - Valves
 - Air Preparation
 - Static Control
 - Chemical Handling
 - Specialty Products

North American Support

- 30 North American Locations
- Configure, Validate, and Download 3D & 2D CAD Models from www.smcusa.com/products/
- 2.6m sqft North American headquarters of Engineering, Production, Central Distribution and Administration

U.S. & Canadian Sales Offices

WEST	CENTRAL	EAST
Austin	Chicago	Atlanta
Dallas	Cincinnati	Birmingham
Denver	Cleveland	Boston
El Paso	Detroit	Charlotte
Los Angeles	Des Moines	Knoxville
Phoenix	Grand Rapids	Nashville
Portland	Indianapolis	New Jersey
San Jose	Kansas City	Rochester
	Milwaukee	Tampa
	Minneapolis	
	St. Louis	
CANADA		
Montreal		
Toronto		



© 2022 SMC Corporation of America. All Rights Reserved.
All reasonable efforts to ensure the accuracy of the information detailed in this catalog were made at the time of publishing. However, SMC can in no way warrant the information herein contained as specifications are subject to change without notice.

SMC Machine Tool Industry



Products for the Machine Tool Industry



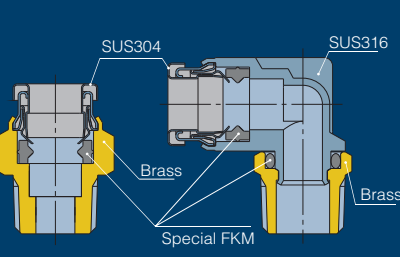
KQB2/KQG2 one-touch
Rust-free or nickel plated design for temperatures 23 - 302°F



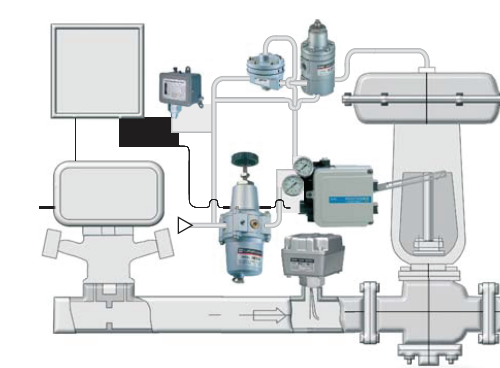
TUZ hose
Wear-resistant hose for use with drag chain cable covers



Safety
Safety valves according to the standard EN ISO 13849-1 (category 3 and 4)



KQB2 Series
The brass parts on the metal one-touch fitting are electroless nickel plated

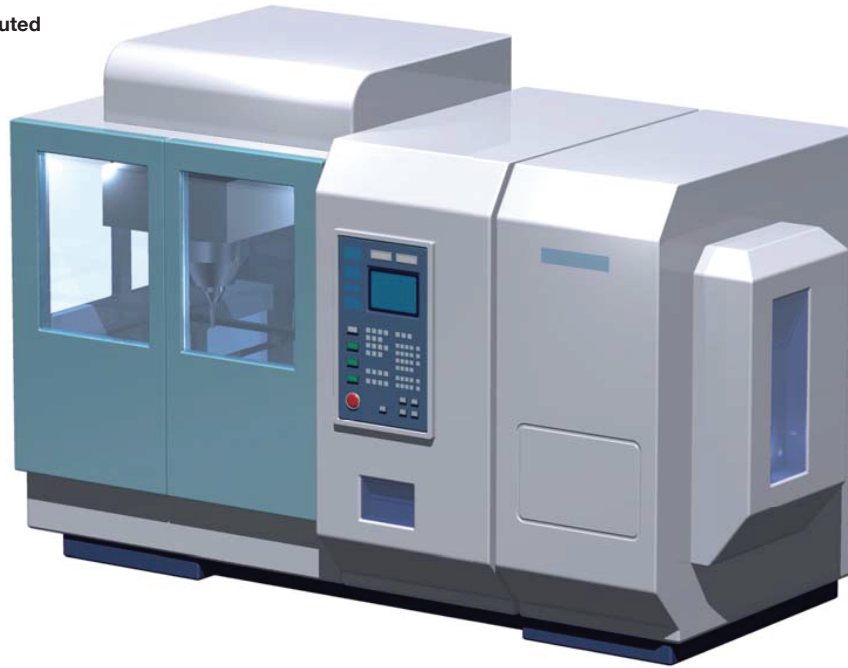


Instrumentation
Typical pneumatic control system on a diaphragm valve using SMC pneumatic products.

Machine tool manufacturers inevitably get involved with various automation technologies. Compressed air, coolants or other fluids they must be filtered, monitored, distributed and at times temperature controlled.

Valves, sensors, filters and temperature control devices with the relevant ancillary equipment e.g rust-free fittings or hoses compatible with drag chain cable covers can be used in for these typical applications.


Given the global presence of SMC, a world class supply chain is guaranteed for the entire product range. You can source SMC products anywhere at anytime regardless of where your business is conducted. When maintenance or repair work requires an SMC product you can be assured we will be there to support your business.




AL / LM lubricator systems
Lubricator systems for various applications
Jet lubricator systems, micro-mist lubricators, spray mist lubricators, drip lubricators



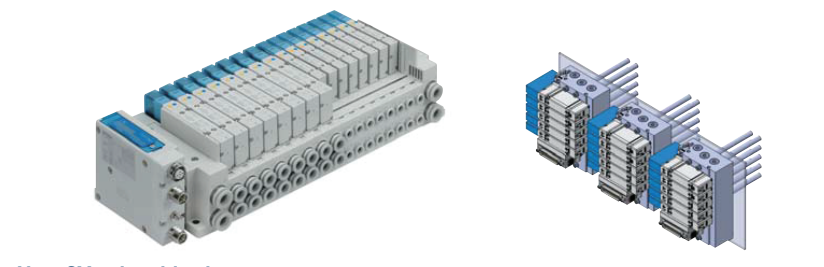
HRS thermal chiller
This regulates the temperature of the circulating fluids



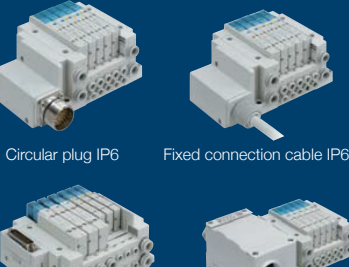
AEP / HEP suction module
Coolant recovery using the Venturi suction principles



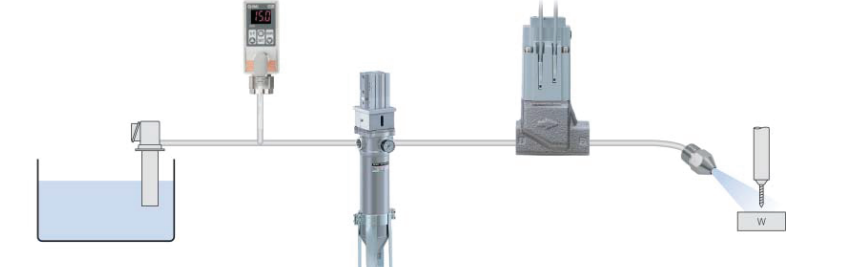
VMG blow guns
20% compressed air saving compared to conventional models



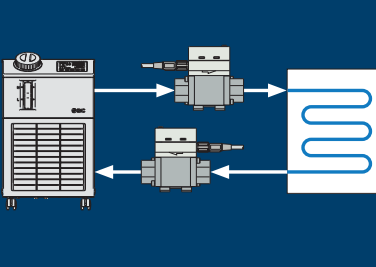
New SY solenoid valves
Cost savings can be achieved through the configuration flexibility which allows mixed valve sizes on a single manifold to match your flow requirements. compact design means reduced mounting footprint and lower material costs.



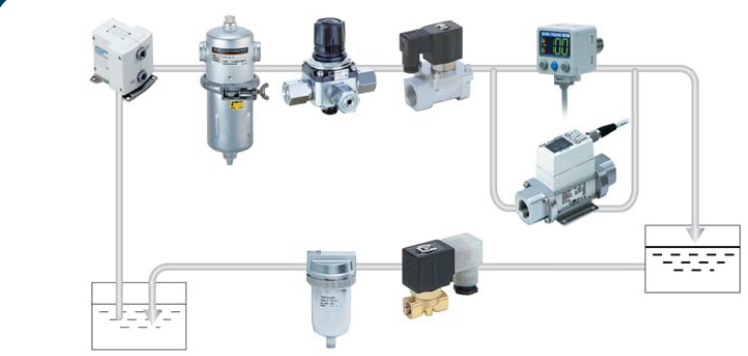
Circular plug IP6
Fixed connection cable IP67
D-Sub / ribbon IP40
Terminal block IP67




Coolant Line
Application examples: Drilling, milling, cutting, machining processes in general



Flow regulation of the circulating fluid in a heat exchanger



Flow regulation line
Media for standard applications: Water, oil, gas, vacuum, steam
Application examples: Sterilizer, car wash system, air-conditioning system, ice storage, moisteners, flushing machine, leak inspection device, field irrigation system, packing machine, laser units.



ISE70 pressure switch
Digital pressure switch for different media, up to 2175 psi, PNP/NPN with 2 outputs



ZSE/ISE80 pressure switch
Digital pressure switch for different media, -14.5 to 145 psi, PNP/NPN and analogue output



ISE/ZSE30A pressure switch
Digital pressure switch for compressed air and vacuum, 14.5 to 145 psi, PNP/NPN and analogue output



PF3A/PF3W flow switch for air and water
Flow and temperature measurement (Air or water models available) combined in the one device



VX process valve
Directly operated 2/2-port solenoid valve for air, vacuum, water and oil



SGC coolant valve
It controls the supply of coolant to the within the machine tool



SGH High pressure coolant valve
For grinding processes or deep-hole drilling applications with coolant pressures of 435 10 1015 psi



FN1/FN4 filter
Low maintenance filtering of coolants and flushing media. No filter element changes required