

POPPETS & SPRINGS

High Efficiency ACI Poppets & Springs



A & B Poppets for
GAS Products Valves



C & D Poppets



J & K Poppets for AJAX® &
Cooper-Bessemer® Valves



P Poppets



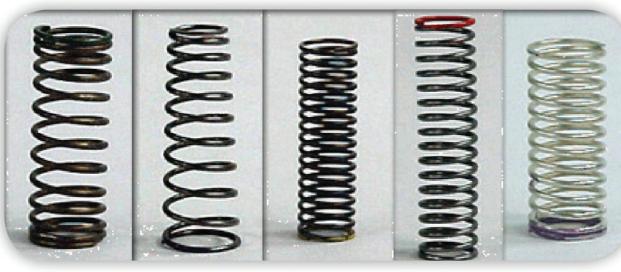
S Poppets for
GAS Products High-Speed
Compressor Valves



T & W Poppets for
Clark Valves



X Poppets for
Long-Stem Valves



Variety of springs to compliment
poppet style and efficiency

LEGENDS DON'T STOP. WE MAKE SURE OF IT.™

CALL +1 855-2COOPER | +1 740-435-0240
24/7 TECH SUPPORT: SUPPORT@COOPERSERVICES.COM
COOPERSERVICES.COM



A COOPER MACHINERY SERVICES DIVISION™

POPPETS & SPRINGS

Technical Data Per Poppet Type

- › A & B poppets are designed for GAS Products valves and available in gray nylon and natural peek. Peek poppets commonly allow for operations of differential pressures over 1100 psi (76 bar) and temperatures over 300 degrees F (149 C). Poppets used with 45-degree seats, guide hole diameters of 13/16-inch (20.7 mm), and stem lengths of nearly 7/8-inch (22.2 mm).
- › C & D poppets are designed for ball valves, and in a slightly modified form. These poppets are available in gray or black nylon, as well as natural peek. Poppets are used with 45-degree seats, guide hole diameters of 13/16-inch (20.6 mm), and stem lengths of nearly 1-inch (25.4 mm).
- › J & K poppets are designed for AJAX® and Cooper-Bessemer® valves, as well as Clark “processing” type valves. These poppet are available in gray or blue nylon, as well as natural peek. Poppets are used with 30-degree seats, guide hole diameters of 3/4-inch (19.1 mm), and stem lengths of nearly 3/4-inch (19.1 mm).
- › P poppets are designed for ball valves, but with a tapered spring cavity that makes them more rugged than standard ball valve poppets by reducing the poppet bouncing. These poppets are available in black nylon, as well as natural peek. Poppets are used with 45-degree seats, guide hole diameters of 13/16-inch (20.6 mm), and stem lengths of nearly 7/8-inch (22.2 mm).
- › S poppets are designed for GAS Products high-speed poppet valves. These poppets are available in natural peek.
- › T & W poppets are designed for Clark valves. These poppets are available in nylon, as well as peek (upon request). Poppets are used with 30-degree seats, 1_1/8-inch (28.6 mm) diameter seat holes, and 5/8-inch (18.9 mm) diameter guard holes.
- › X poppets are designed for long-stem poppets. These poppets are available in blue nylon. Poppets have a head diameter of 1 3/8-inch (34.9 mm), and a stem length of 3/4-inch (19.1 mm).

Technical Data Per Spring Type

- › #15 Spring: Medium-duty, cadmium-plated chrome silicon spring. Effective in hydrogen service.
- › #43 Spring: Carbon steel spring used with X poppets.
- › #66 Spring: Stainless steel spring used with S poppets.
- › #18 Spring: Tapered spring used with P poppets. Tapered spring minimizes poppet bouncing.
- › #74 Spring: Variable rate spring made from stainless steel and used with J & K Poppets.

LEGENDS DON'T STOP. WE MAKE SURE OF IT.™

CALL +1 855-2COOPER | +1 740-435-0240

24/7 TECH SUPPORT: SUPPORT@COOPERSERVICES.COM

COOPERSERVICES.COM



A COOPER MACHINERY SERVICES DIVISION™