

# POPPETS & SPRINGS

## HIGH EFFICIENCY ACI POPPETS & SPRINGS



A&B Poppets for  
GAS Products Valves



C&D Poppets for Ball  
Valve Company, CECO  
& Hoerbiger valves



J&K Poppets for  
Ajax & Cooper  
Bessemer valves



P Poppets for Ball Valve  
Company valves



S Poppets for GAS  
Products high-speed  
compressor valves



T&W Poppets for Clark  
(Dresser-Rand) valves



X Poppets for CECO  
long-stem valves



Variety of springs to  
complement poppet  
style & efficiency



## Technical Data per Poppet Type

- A&B Poppets are designed for GAS Product valves, are 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 Valve Company valves (now part of CECO), and in a slightly modified form for Hoerbiger valves. Available in Gray or Black Nylon, as well as Natural Peek. Poppets 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 Copper Bessemer valves, as well as Dresser-Rand's "processing" type valves. Available in Gray or Blue Nylon, as well as Natural Peek. Poppets 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 Valve Company valves, but with a tapered spring cavity that makes them more rugged than standard Ball Valve poppets by reducing the poppet bouncing. Available in Black Nylon, as well as Natural Peek. Poppets 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. Available in Natural Peek.
- T&W Poppets are designed for Clark (Dresser-Rand) valves. Available in Nylon, as well as Peek (upon request). Poppets 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 CECO long stem poppets. 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.

