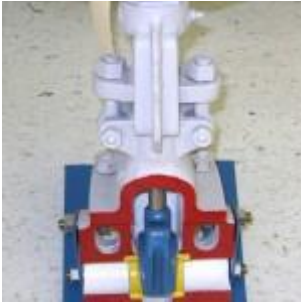


Cut-Away Valves



5001 Gate Valve



5002 Globe Valve



5003 Swing-Check Valve



5004 Ball-Check Valve



5005 Plug Valve



5006 Ball Valve



5007 Lift-Check Valve



5008 Safety Valve



5009 Control Valve



5010 Spring-Check Valve

The primary purpose of a valve is to direct the flow of fluids by starting, stopping, and throttling (regulating) to make modern processes possible. Valves are designed to withstand pressure, temperature and flow, and can be found in homes and industry across the world. Process operators classify valves by flow control elements, function and operating conditions (such as pressure, flow or temperature). The more common valves found in oil refineries and chemical plants are as follows:

| | |
|-----------|--|
| Ball | Starting and stopping a flow. Quick opening and closing. Not good at regulating or throttling. |
| Plug | Starting and stopping a flow. Quick opening and closing. Not good at regulating or throttling. |
| Gate | Starting and stopping a flow. Not good at regulating or throttling. |
| Globe | Regulating or throttling a flow. |
| Check | Used to prevent reverse flow (back flow). |
| Needle | Regulating or throttling a flow. |
| Butterfly | Regulating or throttling a flow. |
| Safety | Designed to open quickly to excess gas or vapor pressure in side a vessel. |
| Relief | Designed to open slowly to excess pressurized liquid. |

This equipment is cut-a-way so you can see and identify the internal components. The Cut-Away Valves may be taken apart and reassembled for training purposes.

These pictures of cut-away models are representative of our products. The actual equipment, size and color scheme may vary with each piece according to availability and customer preference.

Other Cut-Away Valves

5011 Needle Valve

5012 Non Rising Stem Valve

5013 Twin Seal Plug Valve

5014 Diaphragm Valve

5015 Pressure Relief Valve

5016 Angle Valve

5017 Gauge Cock Valve

5018 Control Valve (3-way)

5019 Wafer type Check Valve

5020 Butterfly Valve

5021 Manual 3-way Valve

5022 Right Angle Globe Valve

5023 Diaphragm Valve (saunders type)

5024 Flush Bottom Tank Valve

5025 Sampling Valve

5026 Solenoid Valve

5027 In-line Check Valve

5028 Motor Operated Valve

5029 Orbit Valve

5030 Valve cut-away assortment, Downsized

5040 Air Operated Ball Valve