

Valve Selection Guide

The suitability of a valve for a particular application is decided by its materials in relation to the conveyed fluid as well as its mechanical design.

This chart is a guide to valve selection and indicates valves, which may be chosen to given applications.

Conveyed Fluid	Nature of Fluid	Valve Function	Type of Disc			
Liquid	Neutral (Water, Oil, etc)	On/Off	Gate			
			Rotary ball			
			Plug			
			Diaphragm			
			Butterfly			
		Regulating		Plug gate		
				Globe		
				Butterfly		
				Plug gate		
				Diaphragm		
				Needle		
				Gate		
				Plug gate		
				Rotary ball		
				Plug		
Corrosive (Acid, alkaline etc.)			Diaphragm			
			Butterfly			
			Globe			
			Diaphragm			
			Butterfly			
			Plug gate			
			Hygenic (Food, beverages, drugs etc)	On/Off		Butterfly
						Diaphragm
Diaphragm						

		Regulating	Butterfly
			Diaphragm
			Squeeze
			Pinch
	Slurry	On/Off	Rotary ball
			Butterfly
			Diaphragm
			Plug
			Pinch
			Squeeze
		Regulating	Butterfly
			Diaphragm
			Squeeze
			Pinch
			Gate
	Fibrous Suspensions	On/Off , Regulating	Gate
			Diaphragm
			Squeeze
			Pinch
Gas	Neutral (Air, Steam etc)	On/Off	Gate
			Globe
			Rotary ball
			Plug
			Diaphragm
		Regulating	Globe
			Needle
			Butterfly
			Diaphragm
			Gate
	Corrosive (Acid vapors, chlorine etc.)	On/Off	Butterfly
			Rotary ball
			Diaphragm
			Plug
		Regulating	Butterfly
			Globe
			Needle

			Diaphragm
	Vacum	On/Off	Gate
			Globe
			Rotary ball
			Butterfly
Solid	Abrasive Powder (Silica, etc)	On/Off , Regulating	Pinch
			Squeeze
			Spiral sock
	Lubricating powder (graphite, talcum, etc	On/Off , Regulating	Pinch
			Gate
			Spiral sock
			Squeeze

Pipeline Supply and Service Co., Inc. • Houston, TX 77054
Phone 713-747-0090 • Fax 713-747-0855
<http://www.pipelinesupply.com/>