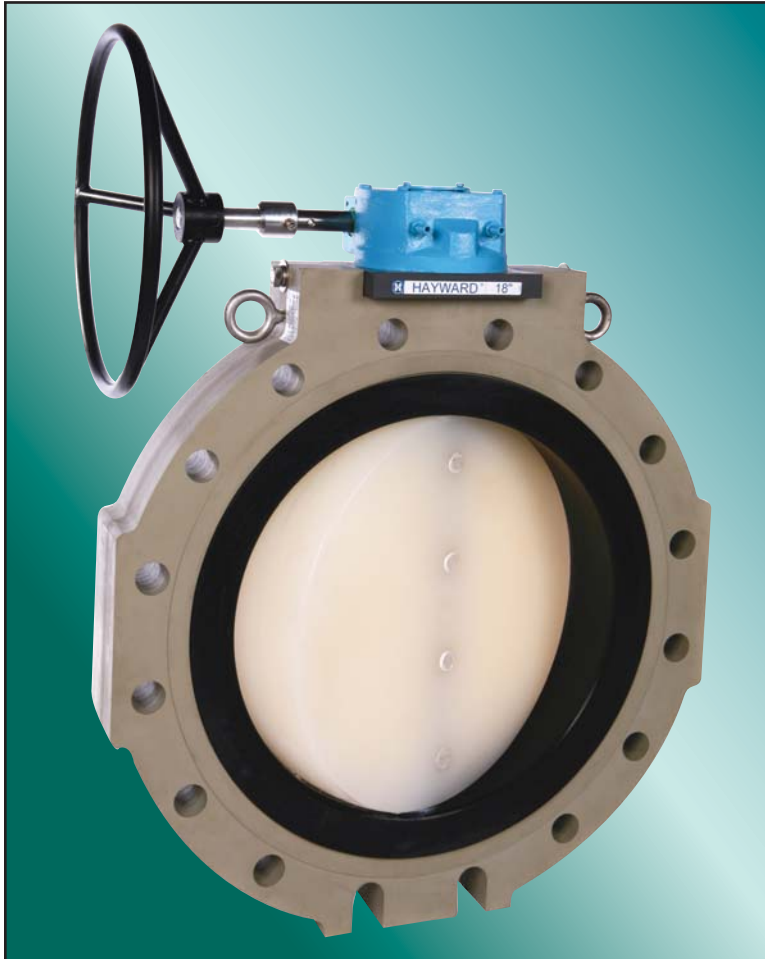




## Large Size Butterfly Valves

14" to 24" - Natural PPL Bodies and Discs



### **Designed for Performance and Flexibility**

Larger size butterfly valves from Hayward are specially designed to take into account application parameters encountered in larger size piping systems. The rugged, one piece, all natural polypropylene body stands up to high flow rates and elevated stress conditions. The valve features a full face liner that eliminates the need for expensive flange gaskets. The valve itself is fully lined and the standard Type 316 stainless steel stem is completely isolated from the process media. A unique "sphered" disc makes it easy to seal the valve bubble tight with a minimum of operating torque.

The valve's fabricated design makes for exceptional application flexibility. This type of design makes it easy and cost effective to modify the valve to conform to the requirements of special, demanding applications. For example, the need for expensive and clumsy flange adapters can be eliminated by providing a 14" size valve with a 16" bolt circle, an easy modification for a Hayward Large Size Butterfly Valve.

### **Easy Installation, Easy Operation**

Each Valve comes standard with two lifting lug/handles, as well as slotted bottom bolt holes. These valve features coupled with its light weight permit a single person to position and install even the largest size valve, reducing installation costs. After installation easy, positive manual valve operation is ensured by the heavy duty, high torque output gear box. If automation is required there is a wide range of electric and pneumatic actuation to choose from. Actuators mount to a corrosion resistant plate and are then coupled to the valve with two easy to access bolts. In most cases no additional spacers or adapters are required.

### **Replacement for Metal Valves**

All plastic construction means the valves will never stick, fail, or jam due to rust or corrosion – making them an excellent alternative to metal valves in many applications.

### **Features**

- Stress-Relieved Natural PPL Construction or PVC
- Type 316 Stainless Steel Stem
- Choice of FPM, EPDM or Nitrile Liner and Seals
- Sphered Disc for Positive Shut Off
- High Torque Gear Box
- Dual Lifting Lug/Handles
- Slotted Bottom Bolt Holes
- Easily Modified for Unique Applications
- Replaces Metal Valves

### **Options**

- Pneumatic or Electric Actuation
- Type 316 Stainless Steel Lugs
- Zinc Plated Lugs



## Technical Information

D (HOLE DATA), E (No. of HOLES), F (BOLT CIRCLE)

### Parts List Gear-Operated Butterfly Valve

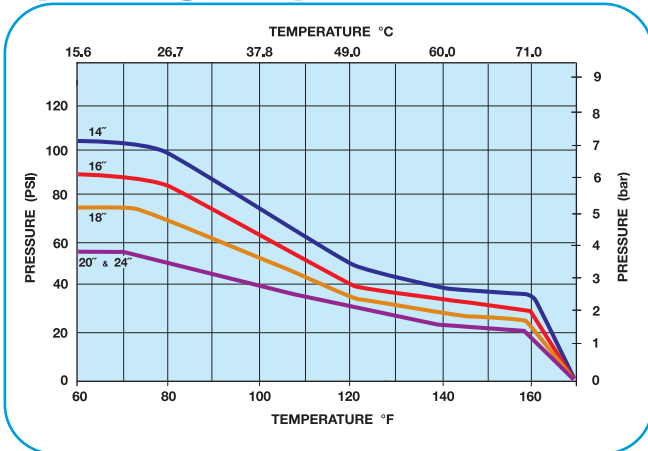
1. Body	Polypropylene
2. Liner (Seat)	EPDM/FPM/NITRILE
3. Disc	Polypropylene
4. Disc Pin	Stainless Steel
5. Disc Pin Seals	EPDM/FPM/NITRILE
6. Stem	316 Stainless Steel
7. Stem O-rings	EPDM/FPM/NITRILE
8. Gear Box	Cast Iron Primed
9. Hand Wheel	Fabricated Steel Primed

## Dimensions - Inches / Millimeters

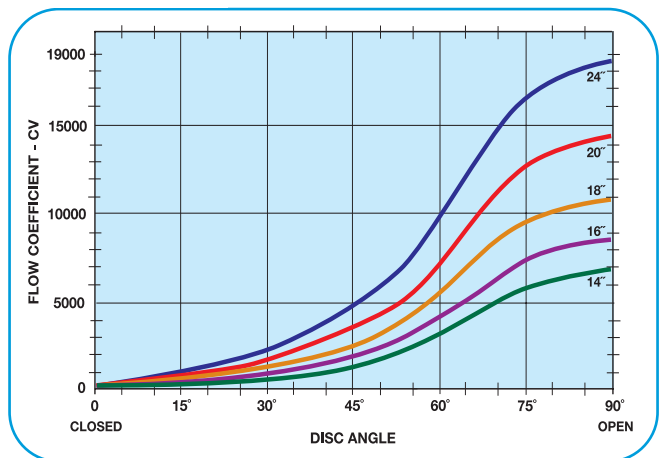
Valve Size	A	B	C	D	E	F	G	H	K	L	M	Weight (lb / kg)
14	20.54 / 522	13.18 / 335	4.00 / 102	1.09 / 28	12	18.75 / 476	20.59 / 523	12.31 / 313	2.63 / 67	14.00 / 356	10.27 / 261	110 / 50
16	24.00 / 610	15.00 / 381	4.00 / 102	1.12 / 28	16	21.25 / 540	21.12 / 536	12.31 / 313	2.63 / 67	14.00 / 356	11.00 / 279	150 / 68
18	24.00 / 610	17.30 / 439	4.00 / 102	1.25 / 32	16	22.75 / 578	22.38 / 568	13.31 / 338	3.38 / 86	14.00 / 356	12.50 / 318	180 / 82
20	28.00 / 711	19.25 / 489	5.00 / 127	1.25 / 32	20	25.00 / 635	24.70 / 627	13.31 / 338	3.38 / 86	14.00 / 356	14.37 / 365	210 / 95
24	32.00 / 813	23.25 / 591	6.00 / 152	1.38 / 35	20	29.50 / 749	27.38 / 695	10.50 / 267	3.38 / 86	14.00 / 356	16.75 / 425	300 / 136

DIN metric flanges available

## Operating Temperature/Pressure



## Cv Factors



## Selection Chart

Size	Body Material	Disc Material	Seals	Operators	Pressure Rating
14, 16, 18 20, 24"	PPL	PPL	EPDM, FPM or Nitrile	Gearbox Electric Actuator Pneumatic Actuator	* PSI @ 70°F Non-Shock

\*14" = 105 PSI, 16" = 90 PSI, 18" = 75 PSI, 20" and 24" = 56 PSI