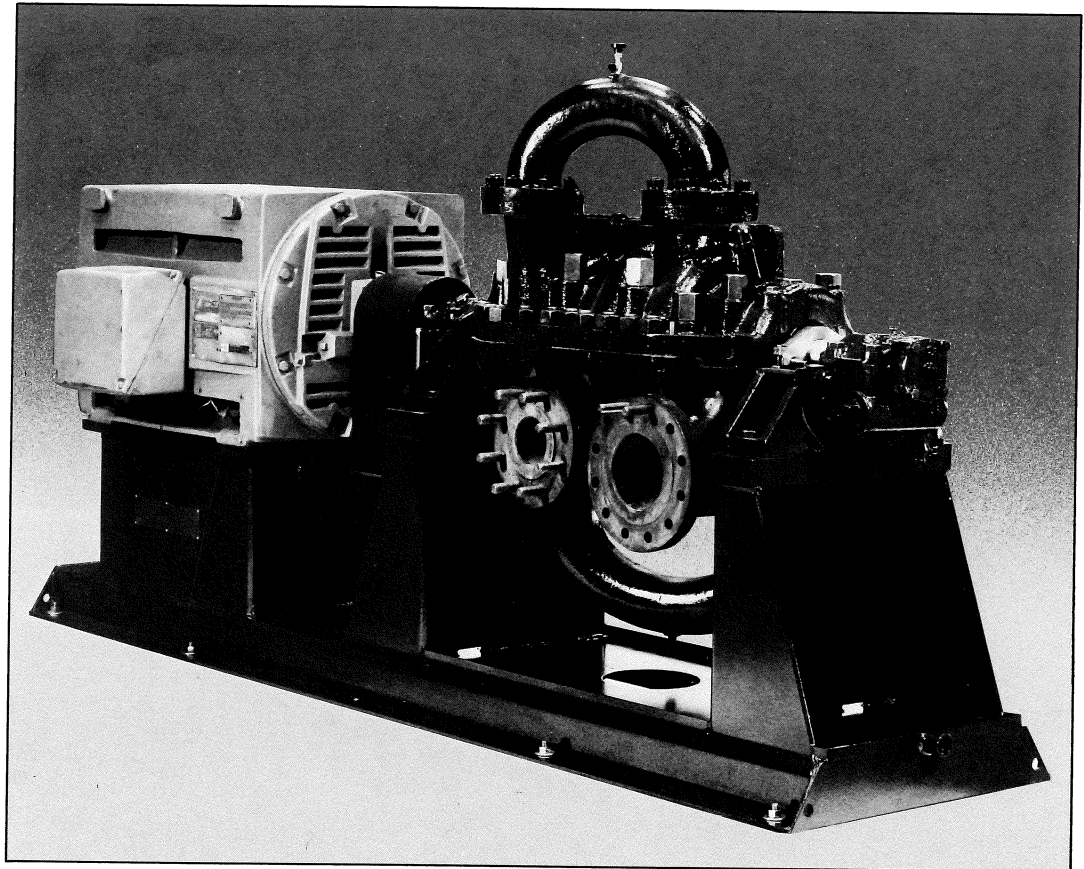
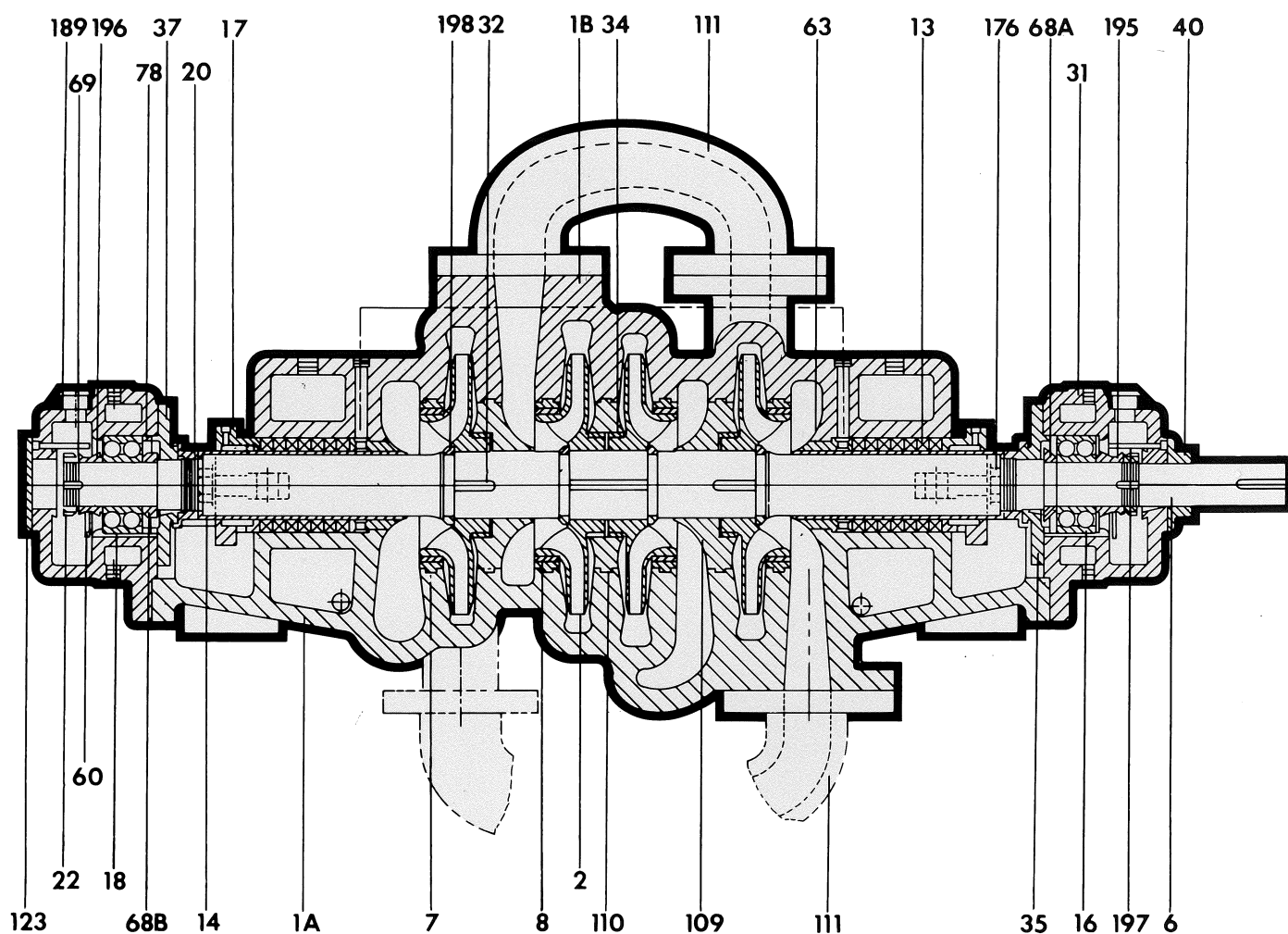


# Type SV Multistage Pumps



**Hayward Tyler**  
The Pump Company

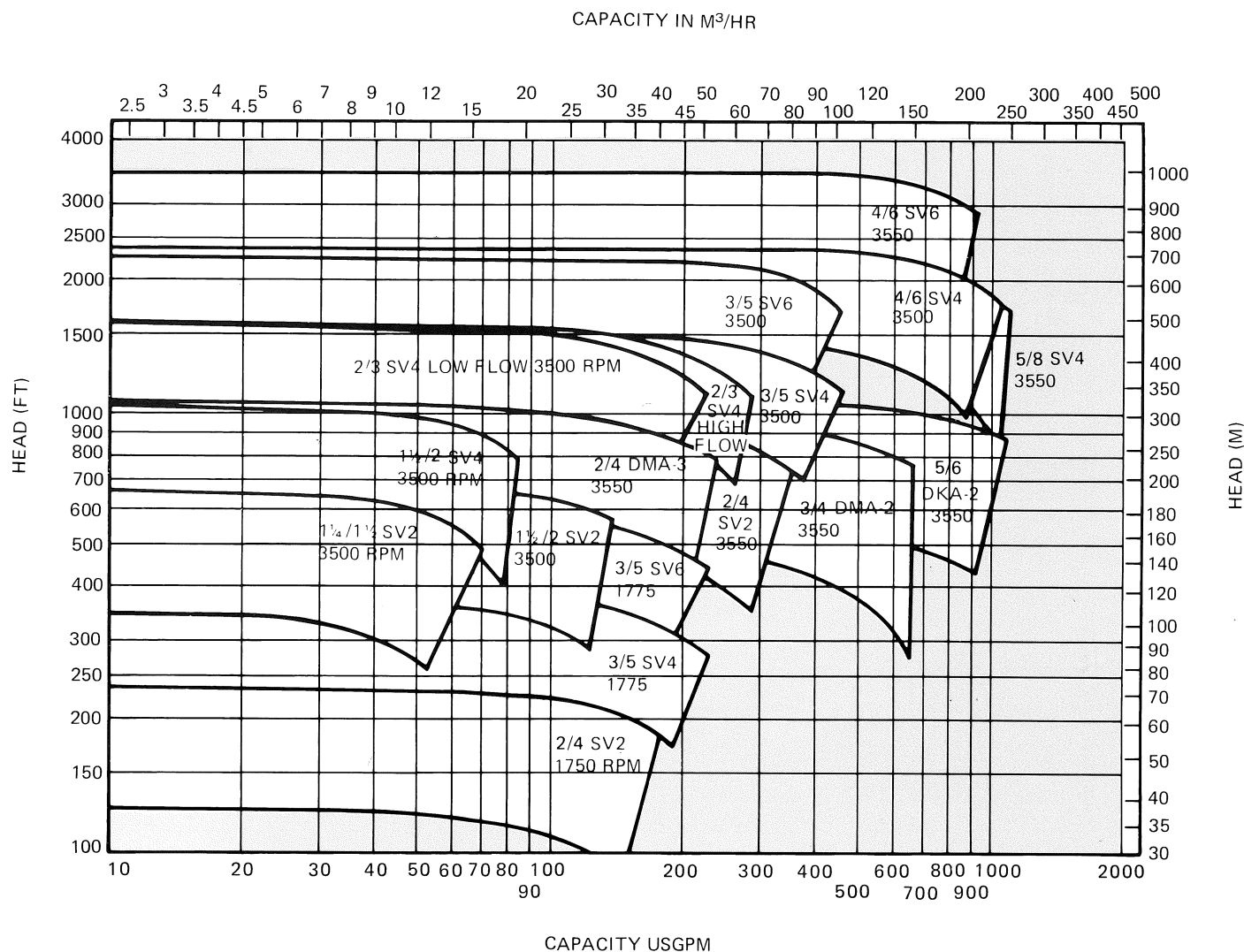
# Hayward Tyler Type SV



## SECTIONAL ARRANGEMENT

|                         |                             |                                    |
|-------------------------|-----------------------------|------------------------------------|
| 1A Casing (Lower Half)  | 22 Bearing Lock Nut         | 69 Lockwasher                      |
| 1B Casing (Upper Half)  | 31 Bearing Housing          | 109 Interstage Diaphragm           |
| 2 Impeller              | 32 Impeller Key             | 110 Center Diaphragm               |
| 6 Shaft                 | 78 Bearing Spacer (Split)   | 111 Interstage Crossover           |
| 7 Casing Ring           | 34 Impeller Hub Ring        | 123 Bearing End Cover              |
| 8 Impeller Ring         | 35 Bearing Cover (Inboard)  | 176 Gland Eyebolt Assembly         |
| 13 Packing              | 37 Bearing Cover (Outboard) | 189 Sight Hole Cover               |
| 14 Shaft Sleeve         | 40 Deflector                | 195 Oil Ring Collar (Inboard)      |
| 16 Bearing (Inboard)    | 60 Oil Ring                 | 196 Oil Ring Collar (Outboard)     |
| 17 Gland (Split)        | 63 Stuffing Box Bushing     | 197 Oil Ring Retaining Pin         |
| 18 Bearing (Outboard)   | 68A Shaft Collar (Inboard)  | 198 Impeller Shoulder Ring (Split) |
| 20 Deflector Sleeve Nut | 68B Shaft Collar (Outboard) |                                    |

# A wide range of sizes is available.



## DESIGN FEATURES

Horizontally split casing permits inspection and removal of rotor without disturbing set-up or piping connections.

Single suction type impeller keyed to shaft.

High tensile strength, corrosion resistant shaft.

Double row removable ball bearings at both pump ends are mounted in housings with grease seals and splash collars. Oversize bearings assure longer life under all conditions.

Standard flexible type couplings.

Wearing rings are replaceable without removing the impeller.

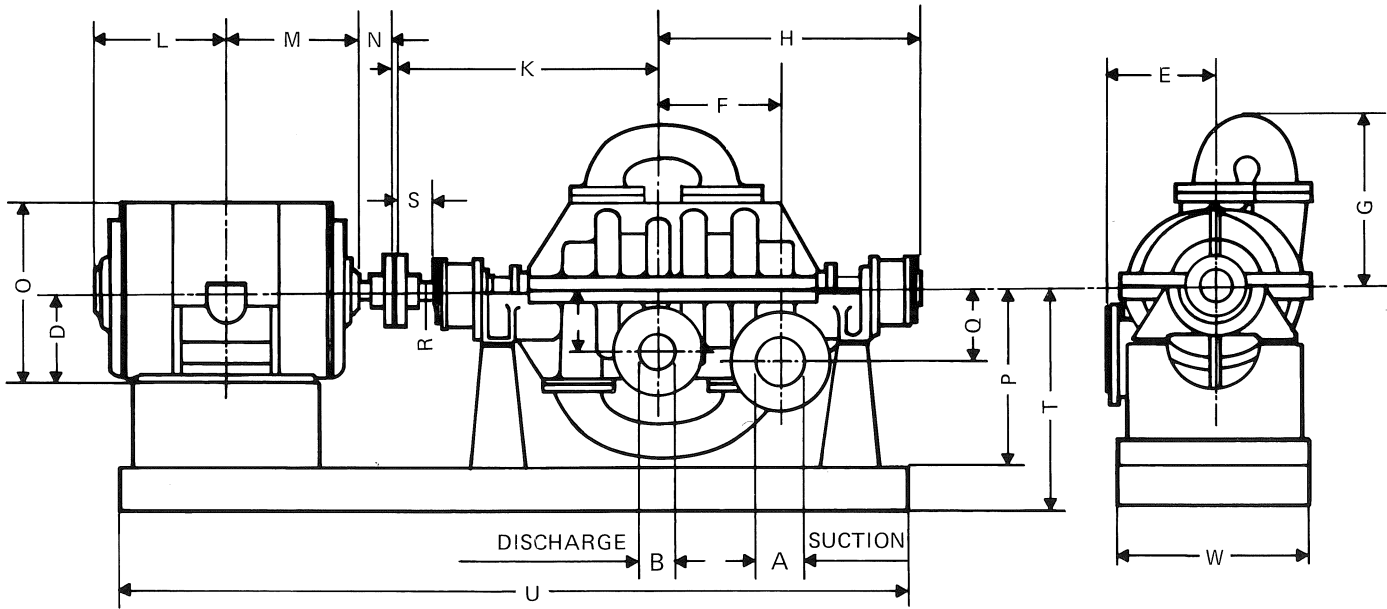
Multistage for high load generation.

Volutes and impellers are designed to minimize hydraulic loads. Arrangement allows only one stage of pressure across any sealing point.

Positive axial location of impeller with split rings allows free expansion, avoids leakage path to hub.

Clockwise or counter-clockwise rotation available.

# Outline Dimensions



| PUMP     | A | B  | C  | E  | F   | G   | H   | K   | P   | Q   | R     | S  | KEYWAY |
|----------|---|----|----|----|-----|-----|-----|-----|-----|-----|-------|----|--------|
| 1½/2 SV4 | 2 | 1½ | 5⅛ | 7¾ | 6¼  | 14⅛ | 19⅛ | 24  | 16½ | 5⅛  | 1-250 | 4¾ | ⅜ x ⅜  |
| 2/3 SV4  | 3 | 2  | 5¼ | 8⅜ | 9¼  | 14¼ | 22½ | 27⅞ | 17⅜ | 66½ | 1-688 | 4⅞ | ⅜ x ⅜  |
| 3/5 SV4  | 5 | 3  | 6¼ | 10 | 9¾  | 19¾ | 26  | 31½ | 22⅞ | 7⅞  | 2-063 | 4⅞ | ½ x ¼  |
| 4/6 SV4  | 6 | 4  | 7¾ | 13 | 12  | 22¾ | 29⅞ | 35⅞ | 28  | 9   | 2-250 | 4¾ | ½ x ¼  |
| 5/8 SV4  | 8 | 5  | 7¾ | 13 | 14½ | 25½ | 36½ | 36  | 32  | 9   |       |    |        |

### Notes

1. Do not use for final construction unless certified.
2. All dimensions are in inches.
3. Tolerance on dimensions  $\pm 1/8"$ .
4. For motor dimensions refer to motor drawing.

# Hayward Tyler

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