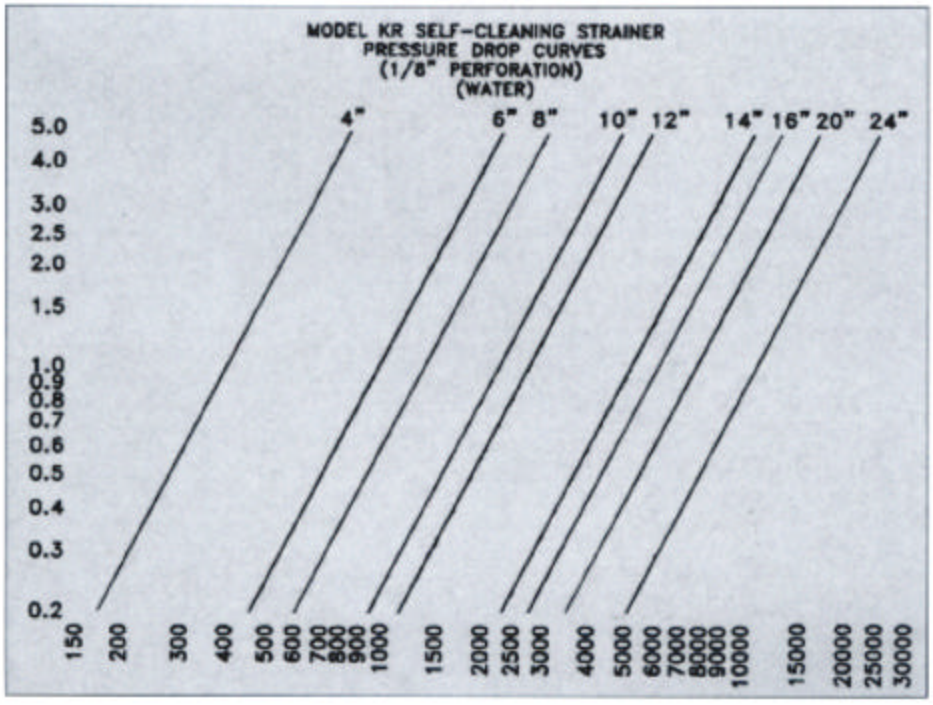
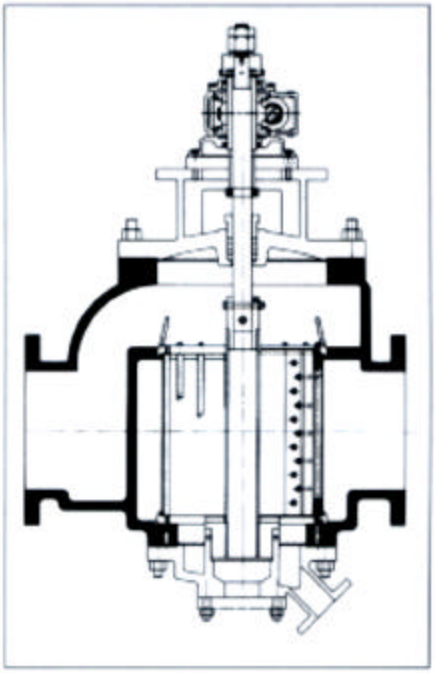
Tate Andale Model KR Self-Cleaning Strainer

Where reliability and durability are a necessity and not an option—The "KR" is the answer.

Description

The Model **KR** is a cast iron continuous backflushing self-cleaning strainer. Featuring a rotating stainless steel backwash arm that is driven by an electric motor, the strainer is designed for installations which will be unattended for extended periods of time. Utilizing a stainless steel wedgewire straining element, the Model **KR** has the highest straining ratio available for normally sized strainers. When configured for automatic intermittent backflushing—which also reduces backwash effluent—the Model **KR** allows longer periods between backflushing, minimizing operating costs. The wedgewire element also features a reverse wound design that prevents lodging of debris in the element, and creates a vortex during backflush for more efficient backflush operation. The Model **KR** is the rugged, long-life, efficient self-cleaning strainer of choice.





Standard Features

- Continuous backflushing
- Replaceable straining element
- Standard C face mounting gear box frame drive motor
- Full rotation of cleaning element
- Water-lubricated rubber lower bearing
- Light rotating element
- Replaceable lower bearing (without removing shaft)
- In-line nozzles
- Large blow-down connection

Standard Materials

Body, covers, gland....4" through 36" —Cast iron

Body, cover.....20" through 42" —Steel plate

Rotating cleaning element .....Ductile iron with natural rubber stock facing

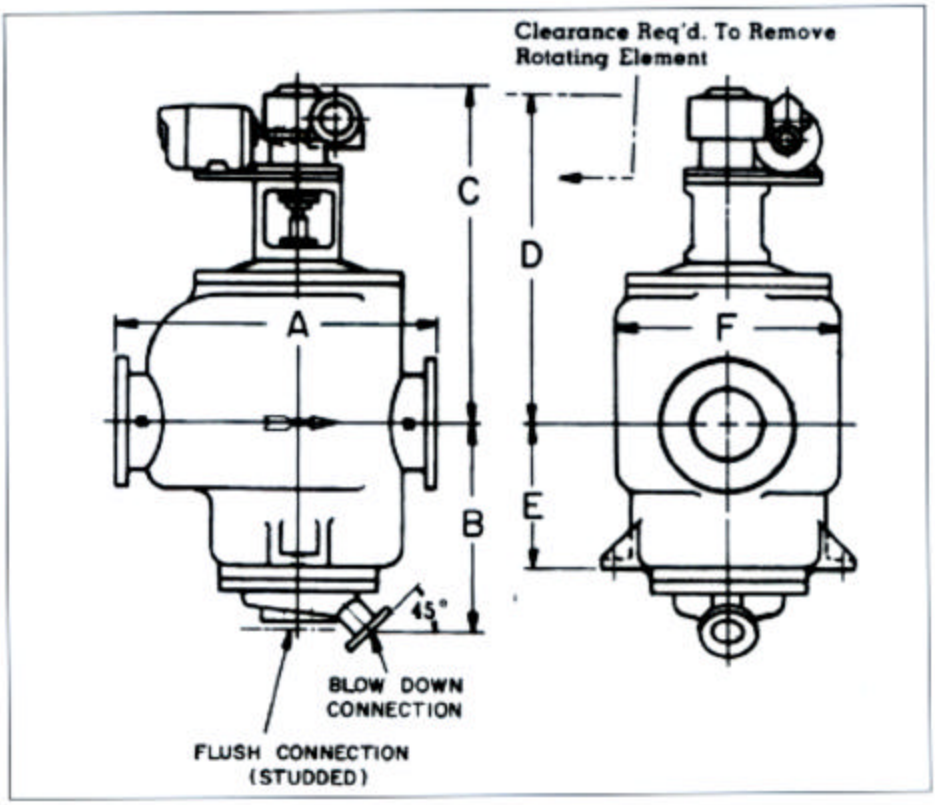
Rotating shaft.....304 Stainless steel

Straining elements.....304 Stainless steel

Heavy duty cast iron construction, ideal for water service.

Reverse wound wellscreen straining element prevents debris from wedging in the "V" groove of the wedgewire. Also when the unit is backflushing, the flow goes from the wide opening to the narrow opening which increases the velocity and produces a more efficient backflush.

The Model **KR** has a higher straining ratio than any other self-cleaning strainer, resulting in longer periods of time between backflushing. This high straining ratio minimizes electric and water utility costs and reduces required maintenance.



Optional Features

- Automatic intermittent backflushing control to conserve backflushing fluid
- Suction service units available
- Air, electric, or hydraulic operated flushing valves
- Sequential controls for multiple units
- Higher design pressures available

Model KR Dimensions (Approx.) 125 PSIG

SIZE (Inlet Dia.)	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	23	23	23	32¼	32¼	43¼	43⅛	58⅛	58⅛	58⅛
B	10⅝	10⅝	14⅛	14⅛	21¾	20¹⁵⁄₁₆	29¹⁵⁄₁₆	37¹⁵⁄₁₆	27¹⁵⁄₁₆	37¹⁵⁄₁₆
C	30	30	30	34¼	34¼	42¾	42¾	52⅜	52⅜	52⅜
D	38½	38½	43	49⅜	56⅛	68⅞	77¹⁵⁄₁₆	100¼	91¼	100¼
E	–	–	–	8⅛	15⅛	12¼	21⅛	26¼	17¼	26¼
F	15¼	15¼	15¼	23	23	29½	29½	43	43	43
G	–	–	–	25½	23	31½	30	42	42	42
H	2" NPT	2" NPT	2" NPT	3	3	4	4	4	4	4
J	1" NPT	1" NPT	1" NPT	2	2	3	3	4	4	4
K	–	–	–	⅞	⅞	1	1	1⅛	1⅛	1⅛
MOTOR H.P.	¼	¼	¼	¼	¼	¹¹⁄₃₂	¹¹⁄₃₂	¹¹⁄₃₂	¹¹⁄₃₂	¹¹⁄₃₂
Weight (lbs.)	939	939	970	1725	1965	3238	3450	7900	7300	7900