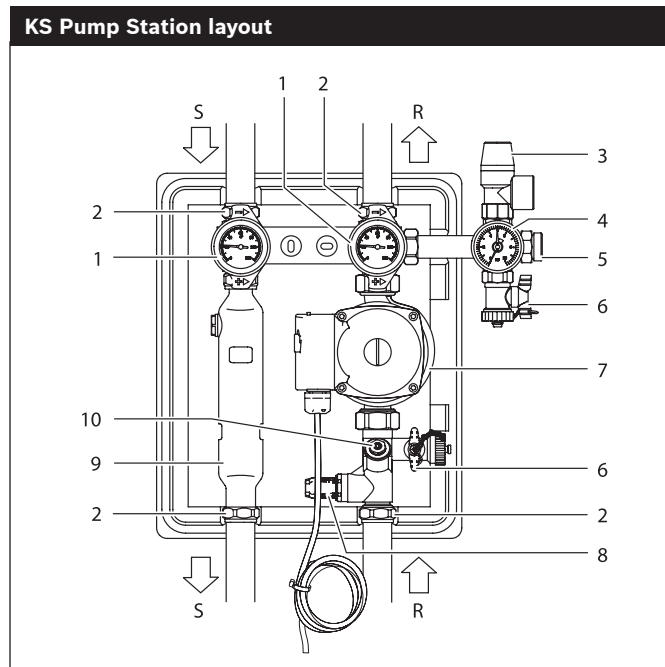


KS Pump Stations

Selected features and characteristics

- An assembly consists of all required components such as the solar circuit pump, the gravity brake, the safety pressure relief valve, the pressure gauge, ball valves in the flow and return with integrated thermometer, a throughput limiter and thermal protection.
- Three different output stages are available.

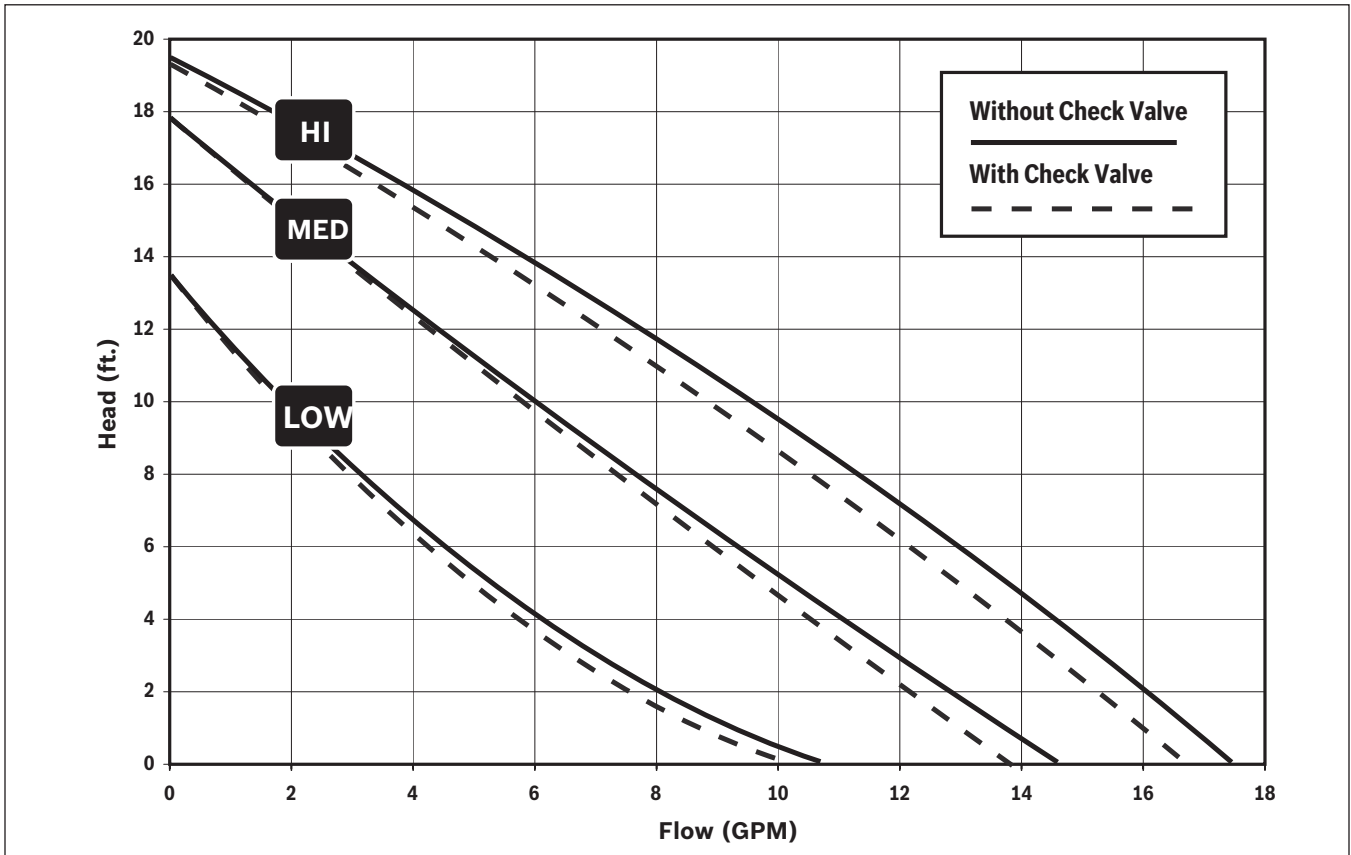
KS Pump Station specifications			
Part #	KS0105 7747021981	KS0110 7747021982	KS0120 7747021983
Max. recommended # of collectors	5	10	20
Copper pipe connection size (clamp ring fitting) Supply/Return	½" ID x 1	22 x 1	28 x 1
Expansion tank connection	¾"	¾"	¾"
Safety relief valve	87 psi (6 bar)	87 psi (6 bar)	87 psi (6 bar)
Circulation pump type	Grundfos Solar 15-58	Grundfos Solar 15-58	Grundfos UPS 25-99
Circulation pump finished length	5½" (130 mm)	5½" (130mm)	5½" (130mm)
Electrical power supply	120 V AC	120 V AC	120 V AC
Frequency	60 Hz	60 Hz	60 Hz
Max. power consumption	60 W	125 W	195 W
Max. current load	0.25 A	0.54 A	0.85 A
Throughput limiter adjusting range	½ - 1½ gpm (0.5-6 l/min.)	½ - 4¼ gpm (2-16 l/min.)	2 - 7 gpm (8-26 l/min.)
Weight	16 lbs. (7.1 kg)	16 lbs. (7.1 kg)	21 lbs. (9.3 kg)



Layout legend

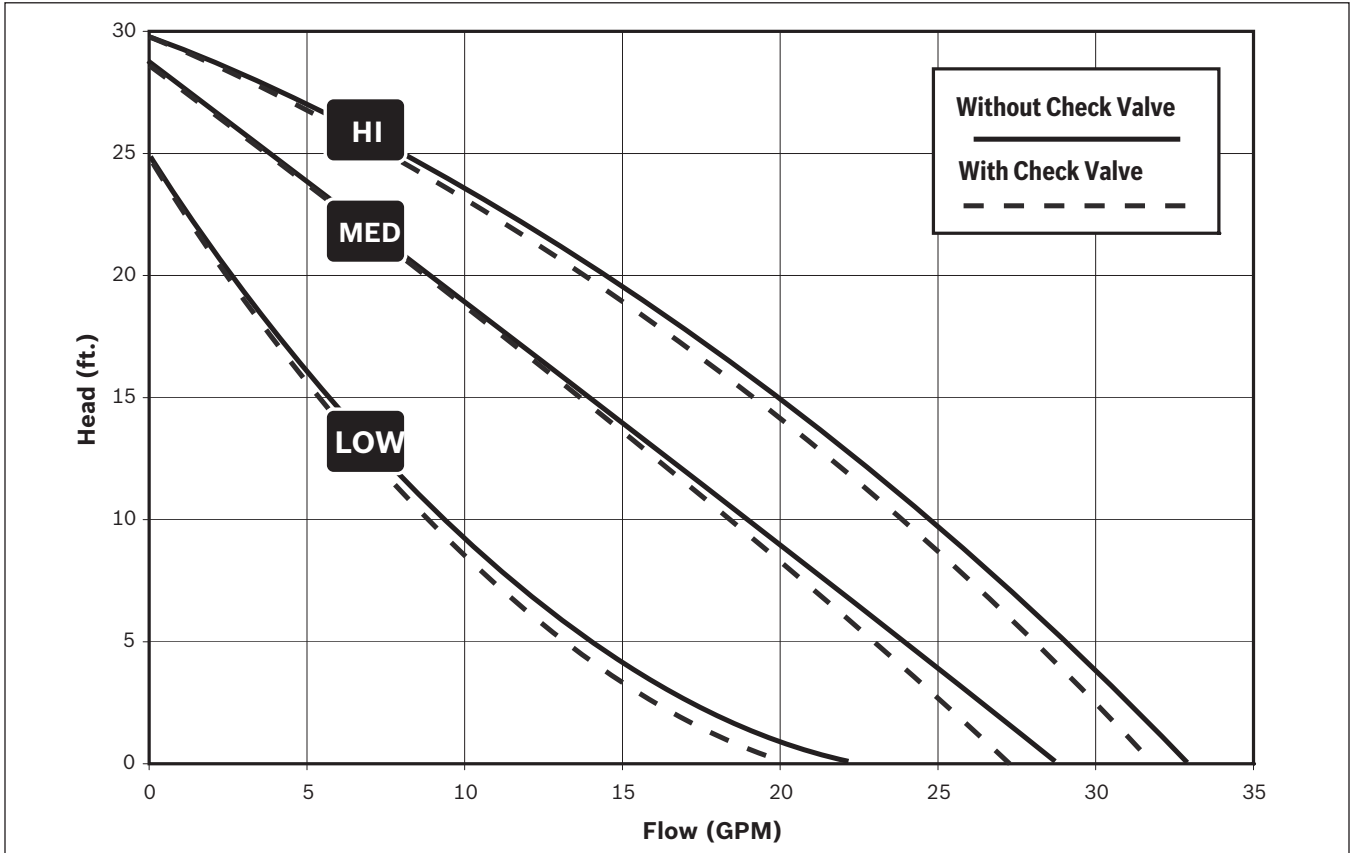
- S Supply from collector to storage
- R Return from storage to collector
- 1 Ball valve with thermometer and integrated gravity brake
Position 0° = gravity brake ready for operation, ball valve open
Position 45° = gravity brake manually open
Position 90° = ball valve closed
- 2 Compression ring fitting (all flow and return connections)
- 3 Safety relief valve
- 4 Pressure gauge
- 5 Connection for diaphragm expansion vessel
- 6 Fill & drain valve
- 7 Solar circuit pump
- 8 Flow volume indicator
- 9 Air separator
- 10 Regulating/shut-off valve

KS 105 and KS 110 pump curve and technical data



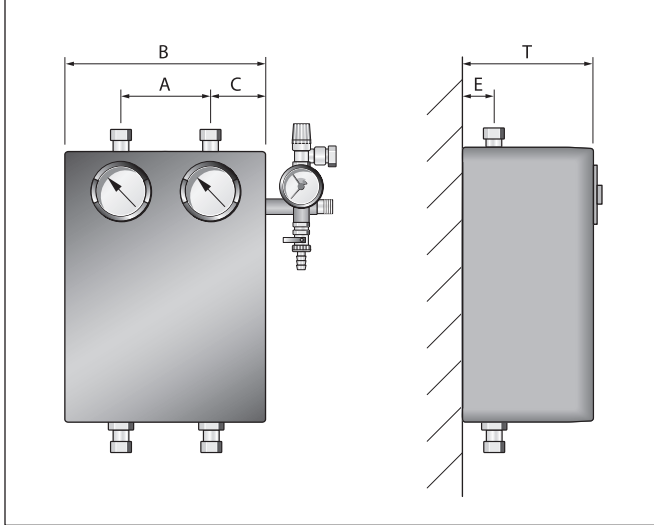
KS 105 / 110 technical data	
Flow range	0-17.5 gpm
Head range	0-19'
Motors	2 pole, single phase
Maximum fluid temperature	230°F (110°C)
Min. fluid temperature	36°F (2°C)
Maximum working pressure	145 psi

KS 120 pump curve and technical data



KS 120 technical data	
Flow range	0-34 gpm
Head range	0-30'
Motors	2 pole, single phase
Maximum fluid temperature	230°F (110°C)
Min. fluid temperature	36°F (2°C)
Maximum working pressure	145 psi

KS Pump Station dimensions



KS Pump Station dimensions

Dimension	KS0105	KS0110	KS0120
Height	14" (355 mm)	14" (355 mm)	14" (355 mm)
Width (B)	11½" (290 mm)	11½" (290 mm)	11½" (290 mm)
Depth (T)	9¼" (235 mm)	9¼" (235 mm)	9¼" (235 mm)
(A)	5½" (130 mm)	5½" (130 mm)	5½" (130 mm)
(C)	3⅞" (80 mm)	3⅞" (80 mm)	3⅞" (80 mm)
(E)	2" (50 mm)	2" (50 mm)	2" (50 mm)



BOSCH

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