

Large Standard Stainless Steel Holders – 90, 142, 293 mm

- **Seal membrane by hand tightening** locking wing nuts
- **Optimal holder design** minimizes resistance and maximizes flow rate
- **Available in either type 304 or type 316 stainless steel**
- **Each unit labeled** with identifying serial numbers on the outside of both the inlet and outlet plates



KS 90, KS 142, KS 293

APPLICATIONS

- Use in-line for filtering gases or liquids
- Use with pressure vessel (see page 121) for batch type operations

SPECIFICATIONS

	KS 90	KS 142	KS 293
Materials:			
Body	Type 304 or 316 stainless steel		
Support screen	PTFE coated photoetched stainless steel		
O-rings (standard)	Silicone		
Gasket	PTFE		
Connections:			
Inlet, 3/4" NPTF to:	11 mm (3/8") hose barb	16 mm (5/8") hose barb	
Outlet, 3/4" NPTM to:			
Pressure:			
Inlet	0.68 MPa (99 psi)		
Differential	0.29 MPa (42 psi)		
Weight:	4 kg (8.8 lb)	6 kg (13 lb)	19 kg (42 lb)
Membrane Compatibility:			
Membrane filter size	90 mm	142 mm	293 mm
Prefilter size	76 mm	124 mm	257 mm
Filtration area	45 cm²	113 cm²	530 cm²

Supplied with aluminum wrench (spanner) and 6 mm allen wrench (hex key).

ORDERING INFORMATION

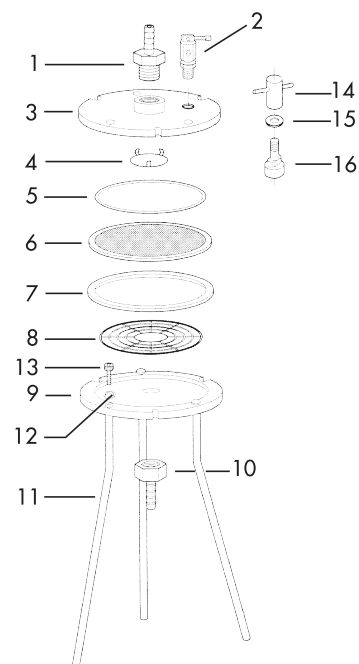
	KS 90	KS 142	KS 293
304 SS	300800	301900	302500
316 SS	300900	302000	302600

Replacement Parts

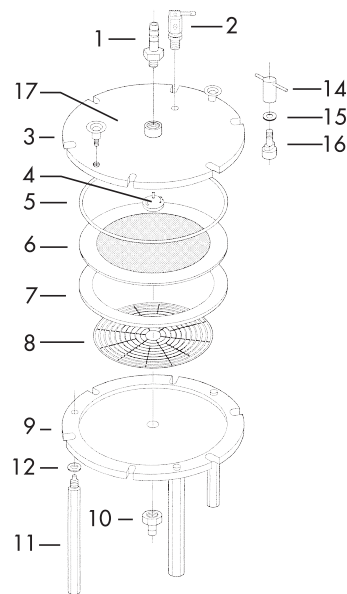
Inlet and Outlet Assemblies				
		KS 90	KS 142	KS 293
1	Inlet adapter (304 SS)	300813		302513
1	Inlet adapter (316 SS)	300913		302613
2	Vent relief valve	301825		
3	Inlet plate (304 SS)	300809	301909	302509
3	Inlet plate (316 SS)	300909	302009	302609
9	Outlet plate (304 SS)	300801	301901	302501
9	Outlet plate (316 SS)	300901	302001	302601
10	Outlet adapter (304 SS)	300817		302517
10	Outlet adapter (316 SS)	300917		302617
Filter Support System				
		KS 90	KS 142	KS 293
4	Flow deflector (316 SS)	301808		
5	O-ring (silicone)	301705	301905	302505
6	Support screen (PTFE coated SS)	301804	302004	302604
7	Gasket (PTFE)	301703	301903	302503
8	Underdrain support (316 SS)	301802	302002	302602
Sealing and Support Assemblies				
		KS 90	KS 142	KS 293
11	Leg	301719	301919	302519
12	Leg washer		301720	302518
13	Leg bolt	301718		-
14	Sealing wing nut	301914		302514
15	Sealing washer	301916		302516
16	Sealing bolt	301915		302515

Accessories and Optional O-rings

		KS 90	KS 142	KS 293
5	O-ring (FEP-encapsulated silicone)	301706	301906	302506
5	O-ring (FPM)	301707	301907	302507
6	Support Screen (316 SS)	301835	302035	302635
-	Back pressure support screen (304 SS)	301726	301926	302530
-	Back pressure support screen (316 SS)	301728	301928	302532
-	Back pressure support screen (PTFE coated 304 SS)	301727	301927	302531
-	Back pressure support screen (PTFE coated 316 SS)	301729	301929	302533
-	Allen wrench (hex key) 6 mm	301721		-
-	Spanner (wrench) 142 mm	301922		



KS 90, KS 142



KS 293

Large Sanitary Stainless Steel Holders – 90, 142, 293 mm

- **Sanitary connections** are threadless and can be completely disassembled for thorough cleaning
- **Designed for minimal resistance and maximal flow**
- **Available in either type 304 or 316 stainless steel**
- **Removable wing nuts** tighten easily by hand to seal membrane
- **Both inlet and outlet plates clearly marked** with identifying serial number

APPLICATIONS

- Ultraclean or sterilize gases or liquids
- Use with a pressure vessel for large volumes and batch type operations

SPECIFICATIONS

Materials:	
Body	Type 304 or 316 stainless steel
Support screen	PTFE coated photoetched stainless steel
O-ring (standard)	Silicone
Gaskets (standard)	PTFE and Silicone
Connections:	
Inlet and Outlet	1 1/2" sanitary fitting to 14.3 mm hose barb
Pressure:	
Inlet	0.68 MPa (99 psi)
Differential	0.29 MPa (42 psi)

Supplied with aluminum wrench (spanner) and 6 mm allen wrench (hex key).

ORDERING INFORMATION

	KS 90 ST	KS 142 ST	KS 293 ST
304 SS	-	302100	302700
316 SS	351800	302200	302800

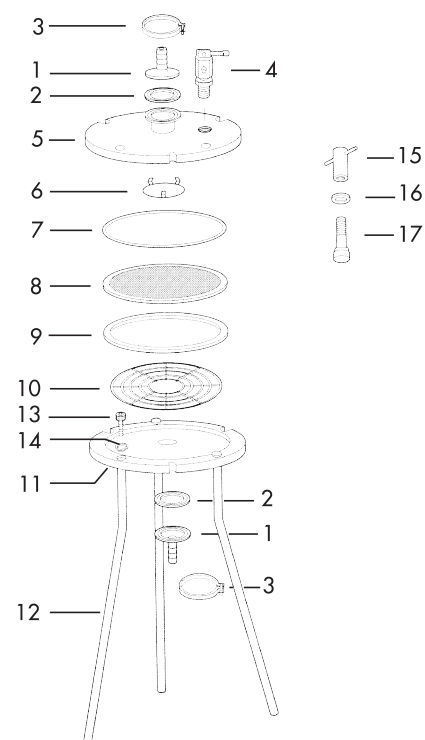
Assemblies are available with PTFE coating by special order.



KS 142 ST

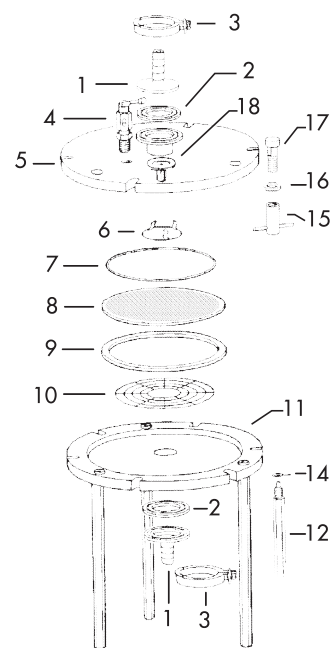
Replacement Parts

Inlet and Outlet Assemblies				
		KS 90 ST	KS 142 ST	KS 293 ST
1	Inlet/Outlet adapter (304 SS)		306203	
1	Inlet/Outlet adapter (316 SS)		306204	
2	Inlet/Outlet gasket (silicone)		306108	
3	Clamp, 1.5 Tri-Clamp		306000	
4	Vent relief valve		301825	
5	Inlet plate (304 SS)	-	302109	302801
5	Inlet plate (316 SS)	351809	302209	302709
11	Outlet plate (304 SS)	-	302101	302809
11	Outlet plate (316 SS)	351801	302201	302701
Filter Support System				
		KS 90 ST	KS 142 ST	KS 293 ST
6	Flow deflector (316 SS)		302208	302808
7	O-ring (silicone)	301705	301905	302505
8	Support screen (PTFE coated SS)	301804	302004	302604
9	Gasket (PTFE)	301703	301903	302503
10	Underdrain support (316 SS)	301802	302002	302602
Sealing and Support Assemblies				
		KS 90 ST	KS 142 ST	KS 293 ST
12	Leg		301919	302519
13	Leg bolt		301718	-
14	Leg washer		301720	302518
15	Sealing wing nut		301914	302514
16	Sealing washer		301916	302516
17	Sealing bolt		301915	302515
18	Handle	-	-	302520

KS 90 ST
KS 142 ST

Accessories and Optional O-rings

		KS 90 ST	KS 142 ST	KS 293 ST
7	O-ring (FEP-encapsulated silicone)	301706	301906	302506
7	O-ring (FPM)	301707	301907	302507
8	Support Screen (316 SS)	301835	302035	302635
-	Back pressure support screen (304 SS)	301726	301926	302530
-	Back pressure support screen (316 SS)	301728	301928	302532
-	Back pressure support screen (PTFE coated 304 SS)	301727	301927	302531
-	Back pressure support screen (PTFE coated 316 SS)	301729	301929	302533
2	Inlet/Outlet gasket (PTFE)	306109		
2	Inlet/Outlet gasket (FPM)	306110		
-	Allen wrench (hex key), 6 mm	301721		-
-	Spanner (wrench), 142 mm	301922		



KS 293 ST