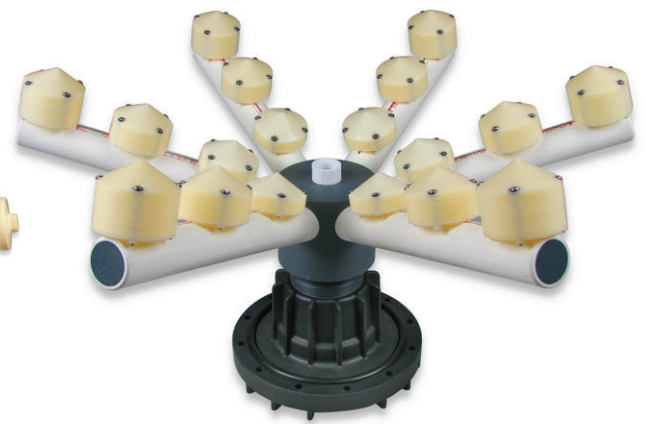
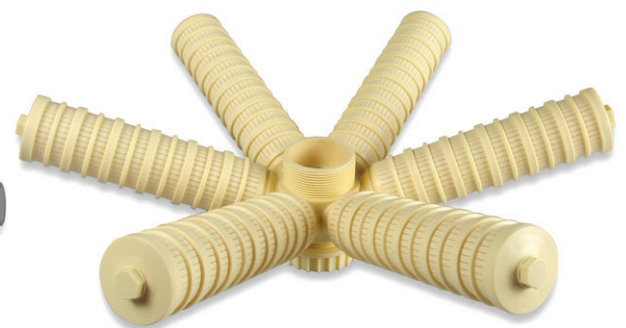


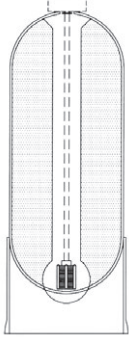
Commercial Distributor Systems



APS WATER SERVICES CORP
7320 Valjean Ave, Van Nuys, CA 91406
800-460-9011 - WWW.APSWATER.COM

Stack Distributors for Top Mount Valves

Clack bottom stack distributors are designed primarily for use with top mount water softeners or filter valves. The stack distributors are comprised of individual ABS segments which are held together with 18-8 stainless steel screws. The segmented stack has the ability to open up when backwashed, removing any fines that might accumulate on the distributor. The standard slot size is .010 - .013. Clack bottom stack distributors are designed for use with 14" - 36" diameter fiberglass mineral tanks with a 4" - 6" top openings. The bottom stack distributors are designed to accommodate a number of different size riser pipes which can be solvent welded or threaded directly into the stack. There is no stack distributor assembly required. To install, solvent weld or thread the riser pipe directly into the distributor and extend the distributor to the bottom of the mineral tank.



Riser Pipe Openings Available (*):

- 05 - 1.25" solvent
- 06 - 1.25" FPT
- 07 - 1.5" solvent
- 08 - 1.5" FPT
- 09 - 50mm solvent
- 10 - 2" solvent
- 11 - 2" FPT

ORDER NUMBER	DESCRIPTION	TOP OPENING	STACK DIAMETER	STACK HEIGHT	RISER OPENINGS AVAILABLE*	EXAMPLE
D1196-*	950 bottom stack distributor	4"	3½"	2 27/32"	05 - 09	950 - 1.5" solvent Order No: D1196-07
D1197-*	970 bottom stack distributor	4"	3½"	5 7/8"	05 - 11	
D1198-*	990 bottom stack distributor	6"	5½"	4½"	07 - 11	

Stack Distributors for Side Mount Valves

The stack distributor assemblies are designed to be used interchangeably as either top or bottom distributors. The distributor assemblies consist of a segmented stack distributor, 4"-8" adapter, and a 2" CPVC socket elbow or 6" Flange Adapter only. The segmented distributor has the ability to open up when backwashed, removing any possible fines that might accumulate on the distributor. The top and bottom assemblies are designed for use with 14" - 36" diameter fiberglass mineral tanks. Assembly is quick and simple. Installation is accomplished by simply threading or bolting on the complete distribution assembly directly in the top or bottom opening of the mineral tank.

Top or Bottom Stack Distributor Assemblies

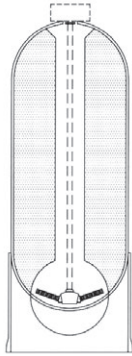


ORDER NUMBER	DESCRIPTION	TANK OPENING
D7155	2937 Stack Distributor Assembly 2" Solvent	4"-8"
DKSTSF3	DKSTSF3 KSH Distributor Assembly 3" FNPT*	6" Flange

*Includes bolts, flat washers, lock washers, nuts and o-ring.

Hub and Lateral Series for Top Mount Valves

Clack top mount hub and lateral systems are designed primarily for use with top mount water softeners or filter valves. The top mount hub and lateral series is designed to accommodate 14" - 36" diameter fiberglass mineral tanks with 4" - 6" top openings. The top mount hub and lateral series consists of an ABS hub and 8-PVC slotted laterals with 3/4" threaded adapters. The hub is available with a number of openings to accommodate different riser pipe diameters. To install, simply solvent weld or thread the riser pipe into the hub and insert it into the tank through the top opening. Thread the laterals into the hub and extend the hub and laterals to the bottom of the mineral tank.



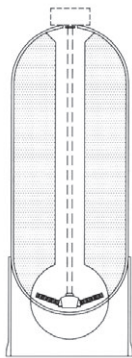
Riser Pipe Openings Available (*):

- 02 - 1.320" solvent
- 03 - 32mm solvent
- 04 - 1.050" solvent
- 05 - 1.25" solvent
- 06 - 1.25" FPT
- 07 - 1.5" solvent
- 08 - 1.5" FPT
- 09 - 50mm solvent
- 10 - 2" solvent
- 11 - 2" FPT

ORDER NUMBER	DESCRIPTION	TANK DIAMETER	RISER OPENINGS AVAILABLE*	EXAMPLE
D7178-*	TMHL 14 - 16 bottom assembly	14" & 16"	02 - 09	TMHL 14 - 16, 1.5" solvent Order Number: D7178-07
D7179-*	TMHL 18 - 24 bottom assembly	18" - 24"	02 - 09	
D7180-*	TMHL 30 bottom assembly	30"	05 - 11	
D7181-*	TMHL 36 bottom assembly	36"	05 - 11	

1.5" Solvent Hub and Lateral Series for Top Mount Valves

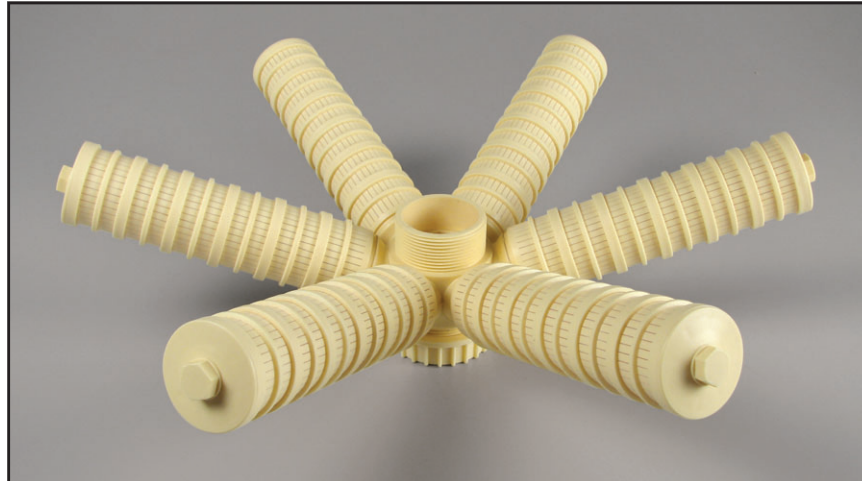
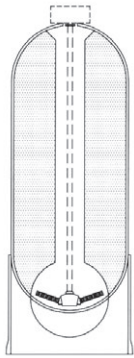
Six quick connect polypropylene laterals with .010 slot, ABS hub.



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL14TM1.5S	TMHL 14 KSH Distributor Assembly 1.5" Solvent	4"-8
DKSHL16TM1.5S	TMHL 16 KSH Distributor Assembly 1.5" Solvent	4"-8
DKSHL18TM1.5S	TMHL 18 KSH Distributor Assembly 1.5" Solvent	4"-8
DKSHL21TM1.5S	TMHL 21/24 KSH Distributor Assembly 1.5" Solvent	4"-8

2" Male NPT Hub and Lateral Series for Top Mount Valves

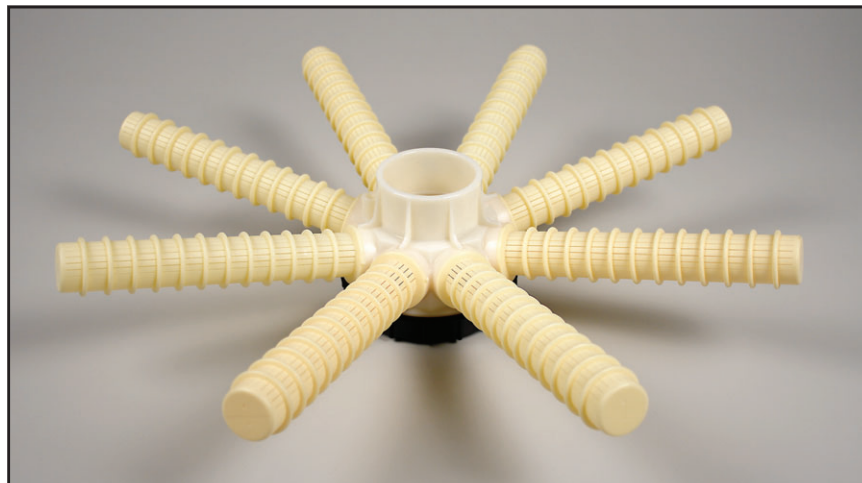
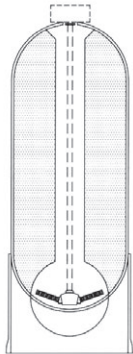
Six threaded polypropylene large laterals with .008 slot, polypropylene hub.



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL14TM2T	TMHL 14 KSH Distributor Assembly 2" Male NPT	4"-8 (6" Flange preferred)
DKSHL16TM2T	TMHL 16 KSH Distributor Assembly 2" Male NPT	4"-8 (6" Flange preferred)
DKSHL18TM2T	TMHL 18 KSH Distributor Assembly 2" Male NPT	4"-8 (6" Flange preferred)
DKSHL21TM2T	TMHL 21 KSH Distributor Assembly 2" Male NPT	4"-8 (6" Flange preferred)
DKSHL24TM2T	TMHL 24 KSH Distributor Assembly 2" Male NPT	4"-8 (6" Flange preferred)

2" Solvent Hub and Lateral Series for Top Mount Valves

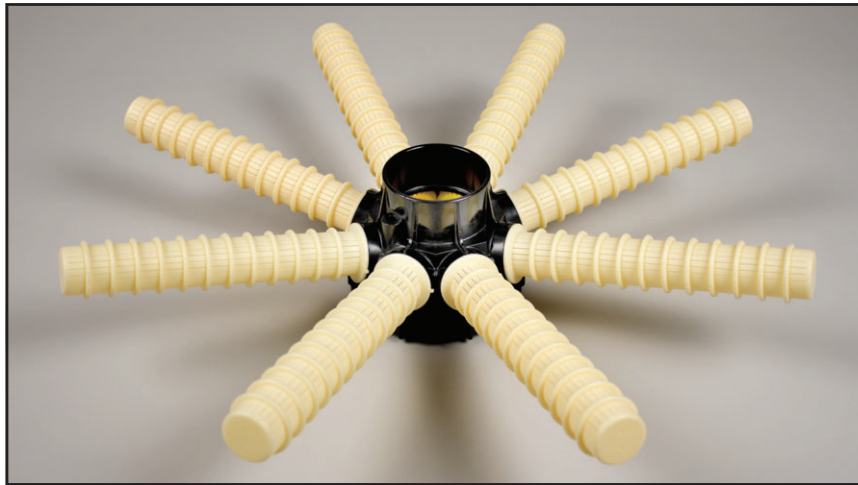
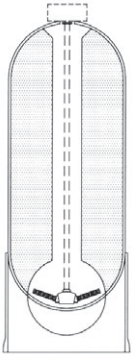
Eight quick connect polypropylene laterals with .010 slot, ABS hub.



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL30TM2S	TMHL 30 KSH Distributor Assembly 2" Solvent	6" Flange
DKSHL36TM2S	TMHL 36 KSH Distributor Assembly 2" Solvent	6" Flange
DKSHL42TM2S	TMHL 42 KSH Distributor Assembly 2" Solvent	6" Flange
DKSHL48TM2S	TMHL 48 KSH Distributor Assembly 2" Solvent	6" Flange

63mm Solvent Hub and Lateral Series for Top Mount Valves

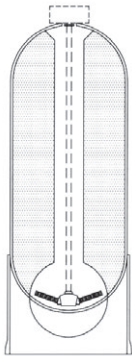
Eight quick connect polypropylene laterals with .010 slot, ABS hub.



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL18TM63MMS	TMHL 18 KSH Distributor Assembly 63mm Solvent	6" Flange
DKSHL21TM63MMS	TMHL 21 KSH Distributor Assembly 63mm Solvent	6" Flange
DKSHL24TM63MMS	TMHL 24 KSH Distributor Assembly 63mm Solvent	6" Flange
DKSHL30TM63MMS	TMHL 30 KSH Distributor Assembly 63mm Solvent	6" Flange
DKSHL36TM63MMS	TMHL 36 KSH Distributor Assembly 63mm Solvent	6" Flange
DKSHL42TM63MMS	TMHL 42 KSH Distributor Assembly 63mm Solvent	6" Flange
DKSHL48TM63MMS	TMHL 48 KSH Distributor Assembly 63mm Solvent	6" Flange
DKS6350MM	KSH Adapter 63MMX50MM	Not Applicable

3" Solvent Hub and Lateral Series for Top Mount Valves

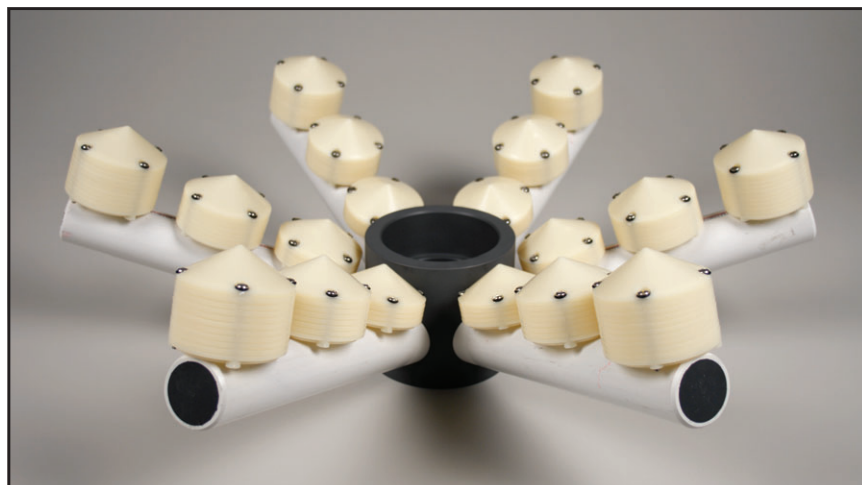
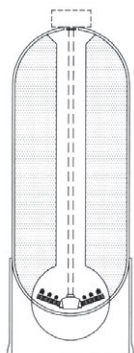
Eight threaded polypropylene large laterals with .008 slot, polypropylene hub.
PVC Adapter included for riser connection.



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL21TM3S	TMHL 21 KSH Distributor Assembly 3" Solvent	6" Flange
DKSHL24TM3S	TMHL 24 KSH Distributor Assembly 3" Solvent	6" Flange
DKSHL30TM3S	TMHL 30 KSH Distributor Assembly 3" Solvent	6" Flange
DKSHL36TM3S	TMHL 36 KSH Distributor Assembly 3" Solvent	6" Flange
DKSHL42TM3S	TMHL 42 KSH Distributor Assembly 3" Solvent	6" Flange
DKSHL48TM3S	TMHL 48 KSH Distributor Assembly 3" Solvent	6" Flange
DKSHL63TM3S	TMHL 63 KSH Distributor Assembly 3" Solvent	6" Flange

3" Solvent Hub and Lateral Series for Top Mount Valves

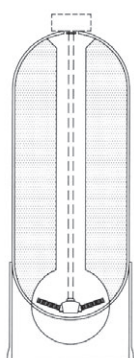
Our 3" hub and laterals series has excellent flow characteristics. The hub is machined from PVC stock to accept a 3" PVC riser pipe. To install, solvent weld laterals into the hub.



ORDER NUMBER	DESCRIPTION	TANK OPENING
D7203-12	TMHL 24 Distributor Assembly 3" Solvent	6" Flange
D7204-12	TMHL 30 Distributor Assembly 3" Solvent	6" Flange
D7205-12	TMHL 36 Distributor Assembly 3" Solvent	6" Flange
D7206-12	TMHL 42 Distributor Assembly 3" Solvent	6" Flange
D7207-12	TMHL 48 Distributor Assembly 3" Solvent	6" Flange
D7208-12	TMHL 60 Distributor Assembly 3" Solvent	6" Flange
D1131	3" x 6' scheduled 40 PVC pipe	Not Applicable

90mm Solvent Hub and Lateral Series for Top Mount Valves

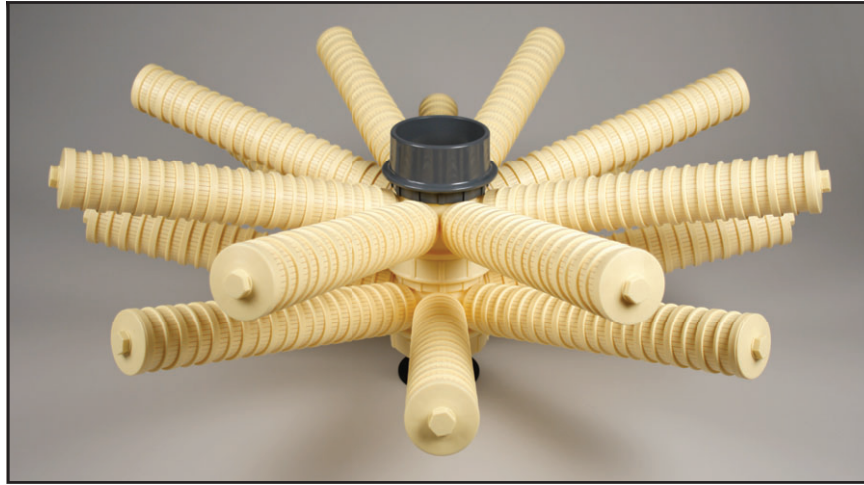
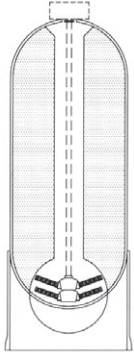
Eight threaded polypropylene large laterals with .008 slot, polypropylene hub. PVC Adapter included for riser connection.



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL21TM90MMS	TMHL 21 KSH Distributor Assembly 90mm Solvent	6" Flange
DKSHL24TM90MMS	TMHL 24 KSH Distributor Assembly 90mm Solvent	6" Flange
DKSHL30TM90MMS	TMHL 30 KSH Distributor Assembly 90mm Solvent	6" Flange
DKSHL36TM90MMS	TMHL 36 KSH Distributor Assembly 90mm Solvent	6" Flange
DKSHL42TM90MMS	TMHL 42 KSH Distributor Assembly 90mm Solvent	6" Flange
DKSHL48TM90MMS	TMHL 48 KSH Distributor Assembly 90mm Solvent	6" Flange
DKSHL63TM90MMS	TMHL 63 KSH Distributor Assembly 90mm Solvent	6" Flange

3" Solvent High Flow Hub and Lateral Series for Top Mount Valves

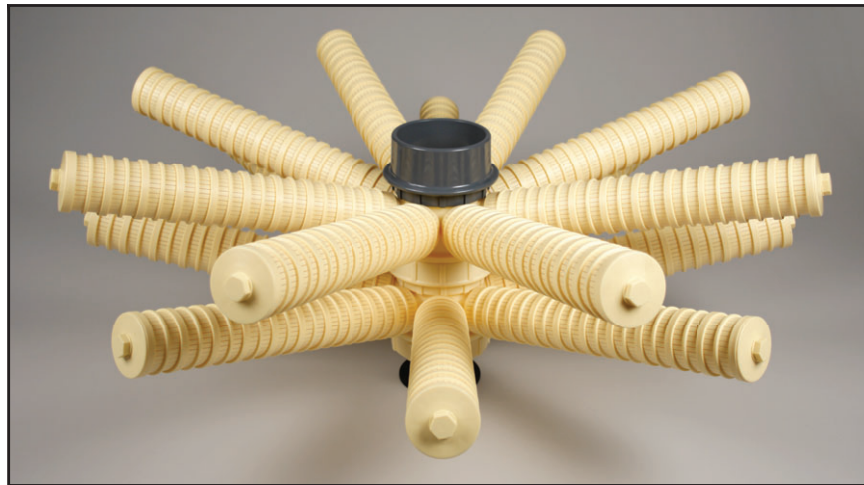
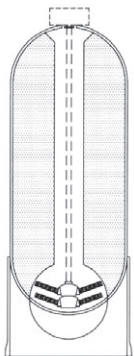
Sixteen threaded polypropylene large laterals with .008 slot, polypropylene hubs.
PVC Adapter included for riser connection.



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL42TM3S-HF	TMHL 42 KSH Distributor Assembly 3" Solvent High Flow	6" Flange
DKSHL48TM3S-HF	TMHL 48 KSH Distributor Assembly 3" Solvent High Flow	6" Flange
DKSHL63TM3S-HF	TMHL 63 KSH Distributor Assembly 3" Solvent High Flow	6" Flange

90mm Solvent High Flow Hub and Lateral Series for Top Mount Valves

Sixteen threaded polypropylene large laterals with .008 slot, polypropylene hubs.
PVC Adapter included for riser connection.



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL42TM90MMS-HF	TMHL 42 KSH Distributor Assembly 90mm Solvent High Flow	6" Flange
DKSHL48TM90MMS-HF	TMHL 48 KSH Distributor Assembly 90mm Solvent High Flow	6" Flange
DKSHL63TM90MMS-HF	TMHL 63 KSH Distributor Assembly 90mm Solvent High Flow	6" Flange

Top Baffle Assemblies

Clack's top baffle assemblies are designed for side mount valve application. Promotes even distribution of water flow, and helps to prevent channeling through the media bed.



2937B
Top Baffle Assembly 2" Solvent



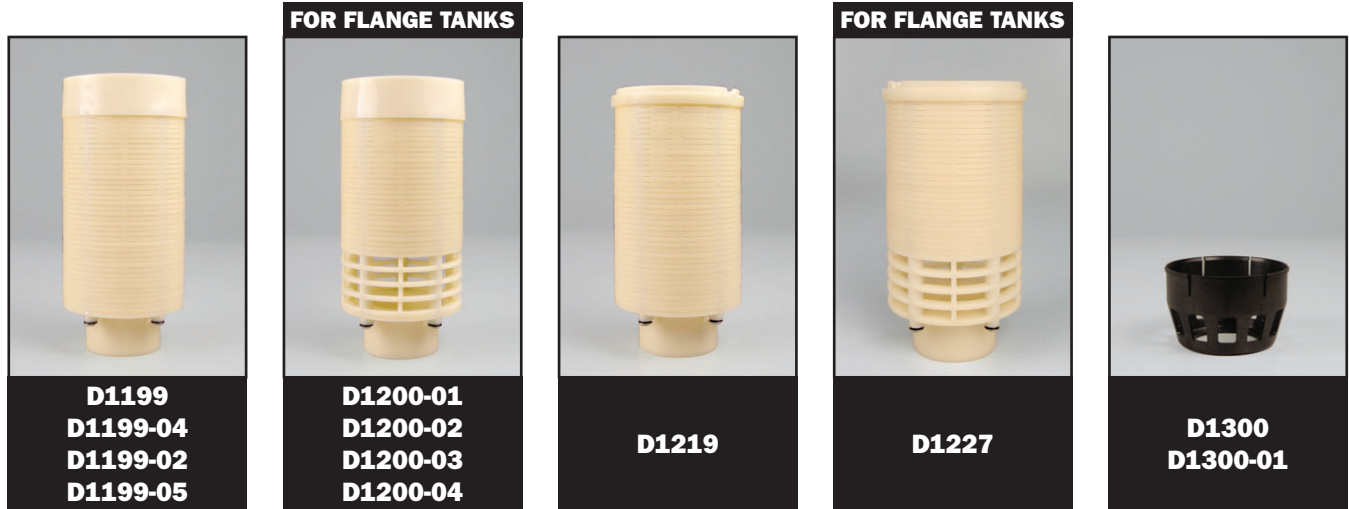
Please order the following components separately:
6" Flange x 3" FNPT x 3" FNPT Adapter
Top Baffle 3"

ORDER NUMBER	DESCRIPTION	TANK OPENING
D7157	2937B Top Baffle Assembly 2" Solvent	4"-8
C610222	6" Flange x 3" FNPT x 3" FNPT Adapter*	6" Flange
D1216A	Top Baffle 3"	Not Applicable

*Includes bolts, flat washers, lock washers, nuts and o-ring.

Top Distributors for Top Mount Valves

The Clack top stack distributors, diffusers and baffle diffusers are designed to be used in conjunction with the Clack WS1.5, WS2 and WS2L, the GE Magnum CV™ and the Fleck 2850, 9500, 2900 and 3150 Control Valves. The stack and baffle diffusers are designed to diffuse or break up the inlet water flow when the top stack distributor is not used. The top stack distributors, diffusers and baffle diffusers are designed to accommodate a 1.5", 50mm, 2" or 63mm PVC riser pipe. Installation is accomplished by simply pinning or screwing in the top stack distributor and diffuser or snapping the top baffle diffuser directly inside the control valve.



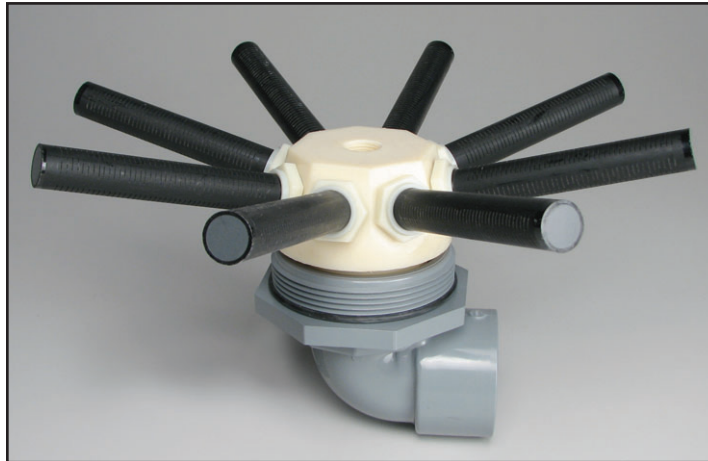
ORDER NUMBER	DESCRIPTION	VALVE TYPE	STACK HEIGHT	STACK DIAMETER	RISER PIPE INSERT
D1199	Top Stack Distributor	Clack/Fleck	5½"	3½"	1.5"
D1199-04	Top Stack Distributor	Clack/Fleck	5½"	3½"	50mm
D1199-02	Top Stack Distributor	Clack/Fleck	5½"	3½"	2"
D1199-05	Top Stack Distributor	Clack/Fleck	5½"	3½"	63mm
D1200-01	Top Stack Diffuser	Clack/Fleck	5½"	3½"	1.5"
D1200-02	Top Stack Diffuser	Clack/Fleck	5½"	3½"	50mm
D1200-03	Top Stack Diffuser	Clack/Fleck	5½"	3½"	2"
D1200-04	Top Stack Diffuser	Clack/Fleck	5½"	3½"	63mm
D1219	Top Stack Distributor	GE	5½"	3½"	1.5"
D1227	Top Stack Diffuser	GE	5½"	3½"	1.5"
D1300	Top Baffle Diffuser	Clack	-	-	1.5"/50mm
D1300-01	Top Baffle Diffuser	Clack	-	-	2"

Because of the diversity of water softeners and filter applications (including, but not limited to, pressure drop, flow rate and backwash rate per square foot), Clack's liability is limited to the repair or replacement of defective goods, provided that the same are returned to Clack for repair or replacement within one (1) year. THESE WARRANTIES ARE EXPRESSLY MADE IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED, including the warranties of merchantability and fitness, and the sole responsibility of Clack shall be to replace, rework or issue credit for goods not in conformity with specifications. **It is the responsibility of the purchaser to determine on an individual basis the function and application of the distributor.**

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7320 Valjean Ave, Van Nuys, CA 91406
800-460-9011 - WWW.APSWATER.COM

2" Solvent Bottom Mount Hub and Lateral Series

Clack hub and lateral distributor systems are designed specifically to fit into a 4" bottom mineral tank opening eliminating the need for a 6" bottom hole where a greater possibility of leaks exist. The hub and lateral series is designed for use in 14" - 36" diameter fiberglass mineral tanks. The hub and lateral series consist of an ABS hub, eight (8) PVC slotted laterals with 3/4" threaded adapters, 4"-8 adapter and 2" CPVC socket elbow. Installation is quick and simple with the use of a 1/2" blind socket molded right into the top of the hub. For installation, simply thread a long 1/2" rod into the 1/2" blind socket in the hub, extend through the top of the tank to the bottom and thread the laterals into the hub from the bottom of the tank. After installing the 4"-8 adapter and threading the 2" CPVC socket elbow into the hub, simply unthread the 1/2" rod.



ORDER NUMBER	DESCRIPTION	TANK DIAMETER	TANK OPENING
D7160	BMHL 14 - 16 Bottom Distributor Assembly	14" & 16"	4"-8
D7161	BMHL 21 - 24 Bottom Distributor Assembly	21" & 24"	4"-8
D7162	BMHL 30 Bottom Distributor Assembly	30"	4"-8
D7163	BMHL 36 Bottom Distributor Assembly	36"	4"-8

FOR SPECIAL ENGINEERING REQUIREMENTS, INCLUDING DEMINERALIZATION AND HIGHER TEMPERATURE APPLICATIONS, PLEASE CONSULT FACTORY.

Because of the diversity of water softeners and filter applications (including, but not limited to, pressure drop, flow rate, and backwash rate per square foot), Clack's liability is limited to the repair or replacement of defective goods, provided that the same are returned to Clack for repair or replacement within one (1) year. THESE WARRANTIES ARE EXPRESSLY MADE IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED, including the warranties of merchantability and fitness, and the sole responsibility of Clack shall be to replace, rework or issue credit for any goods not in conformity with specifications. It is the responsibility of the purchaser to determine on an individual basis the function and application of the distributor.

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3" FNPT Threaded Bottom Mount Hub and Laterals

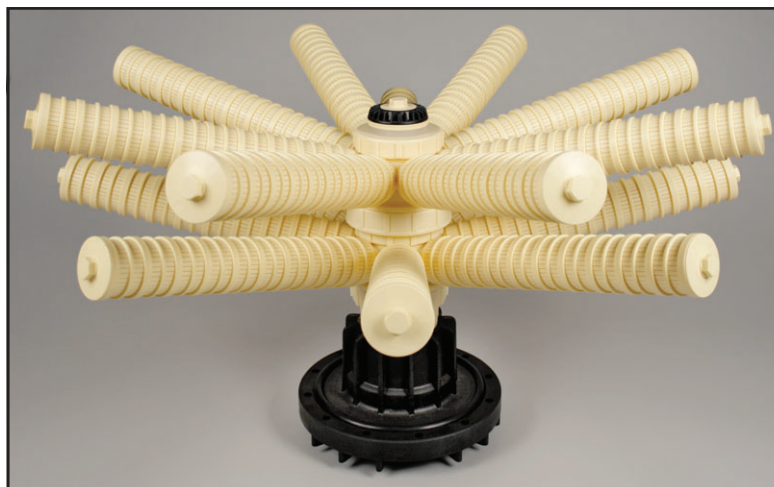
Eight threaded polypropylene large laterals with .008 slot, polypropylene hub.
 (6" Flange x 3" FNPT x 3" FNPT Adapter Included along with bolts, flat washers,
 lock washers, nuts and o-ring.)



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL21FBM3T	BMHL 21 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
DKSHL24FBM3T	BMHL 24 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
DKSHL30FBM3T	BMHL 30 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
DKSHL36FBM3T	BMHL 36 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
DKSHL42FBM3T	BMHL 42 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
DKSHL48FBM3T	BMHL 48 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
DKSHL63FBM3T	BMHL 63 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange

3" FNPT Threaded High Flow Bottom Mount Hub and Laterals

Sixteen threaded polypropylene large laterals with .008 slot, polypropylene hubs.
 (6" Flange x 3" FNPT x 3" FNPT Adapter Included along with bolts, flat washers,
 lock washers, nuts and o-ring.)



ORDER NUMBER	DESCRIPTION	TANK OPENING
DKSHL42FBM3T-HF	BMHL 42 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread High Flow	6" Flange
DKSHL48FBM3T-HF	BMHL 48 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread High Flow	6" Flange
DKSHL63FBM3T-HF	BMHL 63 KSH Distributor Assembly Flange Bottom Mount 3" FNPT Thread High Flow	6" Flange

3" FNPT Bottom Mount Hub and Laterals

Machined from PVC stock, the hub comes with a 3" NPT male by male nipple designed to screw into a 3" FNPT connection such as Wave Cyber's 6" Flange x 3" FNPT x 3" FNPT Adapter. A 3/4" blind hole socket is provided for ease of installation.

(6" Flange x 3" FNPT x 3" FNPT Adapter **not** Included. Please order separately.)



ORDER NUMBER	DESCRIPTION	TANK OPENING
D7212	BMHL 24 Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
D7213	BMHL 30 Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
D7214	BMHL 36 Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
D7215	BMHL 42 Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
D7216	BMHL 48 Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
D7217	BMHL 60 Distributor Assembly Flange Bottom Mount 3" FNPT Thread	6" Flange
C610222	6" Flange x 3" FNPT x 3" FNPT Adapter	6" Flange

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