

551 tech brochure 01060

DISCAL Sweat

Air separator. Brass body.
1/2" NPT female bottom thread
Sweat connections.
Max. working pressure: 150 psi.
Working temperature range: 250°F.



Code	Description	Pk	Lbs
551028A	1" sweat	1	3.7
551035A	1-1/4" sweat	1	3.7

The fluid velocity at connections for Discal 551 series air separators is recommended to not exceed 10.0 f/s (feet per second). Above this speed, heavy internal turbulence and noise can occur and air elimination efficiency begins to fall measurably. Optimal air elimination performance occurs at fluid velocities of 4.2 f/s or less. See the flow capacity chart

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DISCAL Sweat

Air separator with automatic 1/2" check valve to mount expansion tank on bottom thread.
Brass body. Sweat connections.
Max. working pressure: 150 psi.
Working temperature range: 250°F.



Code	Description	Pk	Lbs
551028AC	1" sweat with check valve	1	3.8
551035AC	1-1/4" sweat with check valve	1	3.8

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Check valve. 1/2" NPT male x 1/2" NPT female for easy replacement of expansion tank when connected to bottom of Discal.



Code	Description	Pk	Lbs
561402A	1/2" check valve for expansion tank	10	1.2

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DISCAL NPT

Air separator. Brass body.
1/2" NPT female bottom thread.
NPT female connections.
Max. working pressure: 150 psi.
Working temperature range: 250°F.



Code	Description	Pk	Lbs
551005A	3/4" NPT	1	3.7
551006A	1" NPT	1	3.7
551007A	1-1/4" NPT	1	4.9
551008A	1-1/2" NPT	1	4.9
551009A	2" NPT	1	5.5

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		3/4	3/4		1/4	1/2	2
Optimal 4.2 f/s	GPM	6.0	8.0	9.3	15.3	23.9	36.1
Max	f s	M		22			
	Cv	14	19	21	43	51	78

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DISCAL NPT

Air separator with automatic 1/2" check valve to mount expansion tank on bottom thread. Brass body.
NPT female connections.
Max. working pressure: 150 psi.
Working temperature range: 250°F.



Code	Description	Pk	Lbs
551005AC	3/4" NPT with check valve	1	3.8
551006AC	1" NPT with check valve	1	3.8
551007AC	1-1/4" NPT with check valve	1	5.0
551008AC	1-1/2" NPT with check valve	1	5.0
551009AC	2" NPT with check valve	1	5.6