

AIMS Plastic Fittings



About AIMS Fasteners & Fittings

AIMS' nylon and polypropylene fittings catalog lists our most popular sizes. Also stocked, but not listed here, are many other sizes and/or materials such as Polyethylene and Kynar (PVDF). Contact us if you do not see the fitting you are looking for here; if we are not already carrying it, we will help you find it.

Our sales staff is available by email at sales@aimsfasteners.com and by telephone at (514) 272-6793 or 1-866 793-2474 (toll free).

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AIMS Fasteners & Fittings
5505 St. Lawrence Blvd., Suite 3019
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Tel: (514) 272-6793 Fax: (514) 276-7854



Pipe Plug Hex Head 				
	Nylon	Polypropylene	Thread	Barb
	F18	3F18	1/8-27 NPT	*
	F14	3F14	1/4-18 NPT	*
	F38	3F38	3/8-18 NPT	*
	F12	3F12	1/2-14 NPT	*
	F34	3F34	3/4-14 NPT	*
	F100	3F100	1-11.5 NPT	*
	F114	3F114	1.25-11.5 NPT	*
	F112	3F112	1.5-11.5 NPT	*
	F200	3F200	2-11.5 NPT	*
Coupling, Female Pipe Thread to Female Pipe Thread 				
	Nylon	Polypropylene	Thread	Barb
	FC12	3FC12	1/2-14 to 1/2-14 NPT	*
	FC34	3FC34	3/4-14 to 3/4-14 NPT	*
	FC100	3FC100	1-11.5 to 1-11.5 NPT	*
	FC114	3FC114	1.25-11.5 NPT	*
	FC112	3FC112	1.5 to 11.5 NPT	*
	FC200	3FC200	2-11.5 to 2-11.5 NPT	*
Male Pipe Thread to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	A18316	3A18316	1/8-27 NPT	3/16
	A1814	3A1814	1/8-27 NPT	1/4
	A18516	3A18516	1/8-27 NPT	5/16
	A1838	3A1838	1/8-27 NPT	3/8
	A14316	3A14316	1/4-18 NPT	3/16
	A14	3A14	1/4-18 NPT	1/4
	A14516	3A14516	1/4-18 NPT	5/16
	A1438	3A1438	1/4-18 NPT	3/8
	A1412	3A1412	1/4-18 NPT	1/2
	A3814	3A3814	3/8-18 NPT	1/4
	A38516	3A38516	3/8-18 NPT	5/16
	A38	3A38	3/8-18 NPT	3/8
	A3812	3A3812	3/8-18 NPT	1/2
	A3858	3A3858	3/8-18 NPT	5/8
	A1214	3A1214	1/2-14 NPT	1/4
	A1238	3A1238	1/2-14 NPT	3/8

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Male Pipe Thread to Hose Barb (cont'd) 	Nylon	Polypropylene	Thread	Barb
	A12	3A12	1/2-14 NPT	1/2
	A1258	3A1258	1/2-14 NPT	5/8
	A1234	3A1234	1/2-14 NPT	3/4
	A3414	3A3414	3/4-14 NPT	1/4
	A3438	3A3438	3/4-14 NPT	3/8
	A3412	3A3412	3/4-14 NPT	1/2
	A3458	3A3458	3/4-14 NPT	5/8
	A34	3A34	3/4-14 NPT	3/4
	A34100	3A34100	3/4-14 NPT	1
	A10034	3A10034	1-11.5 NPT	3/4
	A100	3A100	1-11.5 NPT	1
	A100114	3A100114	1-11.5 NPT	1 1/4
	A11434	3A11434	1.25-11.5 NPT	3/4
	A114100	3A114100	1.25-11.5 NPT	1
	A114	3A114	1.25-11.5 NPT	1 1/4
	A114112	3A114112	1.25-11.5 NPT	1 1/2
	A112114	3A112114	1.5-11.5 NPT	1 1/4
	A112	3A112	1.5-11.5 NPT	1 1/2
	A200	3A200	2-11.5 NPT	2
Female Pipe Thread to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	A14F	3A14F	1/4-18 NPT	1/4
	A1438F	3A1438F	1/4-18 NPT	3/8
	A3814F	3A3814F	3/8-18 NPT	1/4
	A38F	3A38F	3/8-18 NPT	3/8
	A3812F	3A3812F	3/8-18 NPT	1/2
	A1214F	3A1214F	1/2-14 NPT	1/4
	A1238F	3A1238F	1/2-14 NPT	3/8
	A12F	3A12F	1/2-14 NPT	1/2
	A1258F	3A1258F	1/2-14 NPT	5/8
	A1234F	3A1234F	1/2-14 NPT	3/4
	A3438F	3A3438F	3/4-14 NPT	3/8
	A3412F	3A3412F	3/4-14 NPT	1/2
	A3458F	3A3458F	3/4-14 NPT	5/8
	A34F	3A34F	3/4-14 NPT	3/4

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Female Pipe Thread to "Slip On" Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	Q14	3Q14	1/4-18 NPT	1/4
	Q12	3Q12	1/2-14 NPT	1/2
Elbow Adapter, Hose Barb to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	EL14HB	3EL14HB	*	1/4 to 1/4
	EL38HB	3EL38HB	*	3/8 to 3/8
	EL12HB	3EL12HB	*	1/2 to 1/2
	EL58HB	3EL58HB	*	5/8 to 5/8
	EL34HB	3EL34HB	*	3/4 to 3/4
Elbow Reducer, Hose Barb to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	EL3814HB	3EL3814HB	*	1/4 to 3/8
	EL1214HB	3EL1214HB	*	1/4 to 1/2
	EL1238HB	3EL1238HB	*	1/2 to 3/8
	EL3458HB	3EL3458HB	*	3/4 to 5/8
Elbow, Male Pipe Thread to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	EL18316	3EL18316	1/8-27 NPT	3/16
	EL1814	3EL1814	1/8-27 NPT	1/4
	EL1838	3EL1838	1/8-27 NPT	3/8
	EL14316	3EL14316	1/4-18 NPT	3/16
	EL14	3EL14	1/4-18 NPT	1/4
	EL14516	3EL14516	1/4-18 NPT	5/16
	EL1438	3EL1438	1/4-18 NPT	3/8

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**Elbow, Male Pipe
Thread to Hose Barb
(cont'd)**


Nylon	Polypropylene	Thread	Barb
EL1412	3EL1412	1/4-18 NPT	1/2
EL3814	3EL3814	3/8-18 NPT	1/4
EL38516	3EL38516	3/8-18 NPT	5/16
EL38	3EL38	3/8-18 NPT	3/8
EL3812	3EL3812	3/8-18 NPT	1/2
EL3858	3EL3858	3/8-18 NPT	5/8
EL1214	3EL1214	1/2-14 NPT	1/4
EL1238	3EL1238	1/2-14 NPT	3/8
EL12	3EL12	1/2-14 NPT	1/2
EL1258	3EL1258	1/2-14 NPT	5/8
EL1234	3EL1234	1/2-14 NPT	3/4
EL3414	3EL3414	3/4-14 NPT	1/4
EL3438	3EL3438	3/4-14 NPT	3/8
EL3412	3EL3412	3/4-14 NPT	1/2
EL3458	3EL3458	3/4-14 NPT	5/8
EL34	3EL34	3/4-14 NPT	3/4

**Elbow, Female Pipe
Thread to Hose Barb**


Nylon	Polypropylene	Thread	Barb
EL1814F	3EL1814F	1/8-27 NPT	1/4
EL1838F	3EL1838F	1/8-27 NPT	3/8
EL14316F	3EL14316F	1/4-18 NPT	3/16
EL14F	3EL14F	1/4-18 NPT	1/4
EL1438F	3EL1438F	1/4-18 NPT	3/8
EL3814F	3EL3814F	3/8-18 NPT	1/4
EL38F	3EL38F	3/8-18 NPT	3/8
EL3812F	3EL3812F	3/8-18 NPT	1/2
EL1258F	3EL1258F	1/2-14 NPT	5/8
EL1234F	3EL1234F	1/2-14 NPT	3/4
EL3412F	3EL3412F	3/4-14 NPT	1/2
EL3458F	3EL3458F	3/4-14 NPT	5/8
EL34F	3EL34F	3/4-14 NPT	3/4

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Street Elbow, 90 Degrees 				
	Nylon	Polypropylene	Thread	Barb
	SE14	3SE14	1/4-18 to 1/4-18	NPT
	SE38	3SE38	3/8-18 to 3/8-18	NPT
	SE12	3SE12	1/2-14 to 1/2-14	NPT
Street Elbow, 45 Degrees 				
	Nylon	Polypropylene	Thread	Barb
	SE3445	3SE3445	3/4-14 to 3/4-14	NPT
Tee, Female Pipe Thread 				
	Nylon	Polypropylene	Thread	Barb
	TT14C	3TT14C	1/4-18 to 1/4-18 to 1/4-18	*
	TT14	3TT14	1/4-18 to 1/4-18 to 1/4-18	*
Barbed Tee to Female Pipe Thread 				
	Nylon	Polypropylene	Thread	Barb
	T34F	3T34F	3/4-14 NPT	3/4 to 3/4
	T34114F	3T34114F	3/4-14 NPT	1 1/4 to 1 1/4

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Tee, Hose Barb to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	T14	3T14	*	1/4 to 1/4's
	T1438	3T1438	*	1/4 to 3/8's
	T38	3T38	*	3/8 to 3/8's
	T3812	3T3812	*	3/8 to 1/2's
	T3858	3T3858	*	3/8 to 5/8's
	T1238	3T1238	*	1/2 to 3/8's
	T12	3T12	*	1/2 to 1/2's
	T58	3T58	*	5/8 to 5/8's
	T34	3T34	*	3/4 to 3/4's
Tee, Male Pipe Thread to Hose Barbs 				
	Nylon	Polypropylene	Thread	Barb
	T1814T	3T1814T	1/8-27 NPT	1/4's
	T14T	3T14T	1/4-18 NPT	1/4's
	T1438T	3T1438T	1/4-18 NPT	3/8's
	T1412T	3T1412T	1/4-18 NPT	1/2's
	T3814T	3T3814T	3/8-18 NPT	1/4's
	T38T	3T38T	3/8-18 NPT	3/8's
	T3812T	3T3812T	3/8-18 NPT	1/2's
	T1238T	3T1238T	1/2-14 NPT	3/8's
	T12T	3T12T	1/2-14 NPT	1/2's
	T1258T	3T1258T	1/2-14 NPT	5/8's
	T1234T	3T1234T	1/2-14 NPT	3/4's
	T3438T	3T3438T	3/4-14 NPT	3/8's
	T3412T	3T3412T	3/4-14 NPT	1/2's
	T3458T	3T3458T	3/4-14 NPT	5/8's
	T34T	3T34T	3/4-14 NPT	3/4's
Hex Swivel Nut 				
	Nylon	Polypropylene	Thread	Barb
	B100	3B100	1-11.5 NPT	*

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Hose Barb, Flat Seat 				
	Nylon	Polypropylene	Thread	Barb
	C100	3C100	*	1
Hose Barb to Hose Barb 	Nylon	Polypropylene	Thread	Barb
	HM14316	3HM14316	*	1/4 to 3/16
	HM14	3HM14	*	1/4 to 1/4
	SHM14	3SHM14	*	1/4 to 1/4
	HM516	3HM516	*	5/16 to 5/16
	HM3814	3HM3814	*	3/8 to 1/4
	SHM38	3SHM38	*	3/8 to 3/8
	HM1214	3HM1214	*	1/2 to 1/4
	HM1238	3HM1238	*	1/2 to 3/8
	SHM1238	3SHM1238	*	1/2 to 3/8
	HM12	3HM12	*	1/2 to 1/2
	SHM12	3SHM12	*	1/2 to 1/2
	SHM1258	3SHM1258	*	1/2 to 5/8
	HM5838	3HM5838	*	5/8 to 3/8
	HM58	3HM58	*	5/8 to 5/8
	SHM58	3SHM58	*	5/8 to 5/8
	SHM34	3SHM34	*	3/4 to 3/4
	SHM100	3SHM100	*	1 to 1
	SHM114	3SHM114	*	1 1/4 to 1 1/4
	SHM112	3SHM112	*	1 1/2 to 1 1/2
Nipple, Male Pipe Thread to Male Pipe Thread 	Nylon	Polypropylene	Thread	Barb
	M18	3M18	1/8-27 to 1/8-27	NPT
	M1418	M1418	1/4-18 to 1/8-27	NPT
	M14	3M14	1/4-18 to 1/4-18	NPT
	M3818	3M3818	3/8-18 to 1/8-27	NPT
	M3814	3M3814	3/8-18 to 1/4-18	NPT
	M38	3M38	3/8-18 to 3/8-18	NPT
	M1214	3M1214	1/2-14 to 1/4-18	NPT

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Nipple, Male Pipe Thread to Male Pipe Thread (cont'd) 	M1238	3M1238	1/2-14 to 3/8-18	NPT
	M12	3M12	1/2-14 to 1/2-14	NPT
	M3438	3M3438	3/4-14 to 3/8-18	NPT
	M3412	3M3412	3/4-14 to 1/2-14	NPT
	M34	3M34	3/4-14 to 3/4-14	NPT
	M100	3M100	1-11.5 to 1-11.5	NPT
	M114	3M114	1.25-11.5 to 1.25-11.5	NPT
	M112	3M112	1.5-11.5 to 1.5-11.5	NPT
	M200	3M200	2-11.5 to 2-11.5	NPT
Reducer Bushing 				
	Nylon	Polypropylene	Thread	Barb
	RB3818	3RB3818	3/8-18 to 1/8-27	NPT
	RB3814	3RB3814	3/8-18 to 1/4-18	NPT
	RB1218	3RB1218	1/2-14 to 1/8-27	NPT
	RB1214	3RB1214	1/2-14 to 1/4-18	NPT
	RB1238	3RB1238	1/2-14 to 3/8-18	NPT
	RB3418	3RB3418	3/4-14 to 1/8-27	NPT
	RB3414	3RB3414	3/4-14 to 1/4-18	NPT
	RB3438	3RB3438	3/4-14 to 3/8-18	NPT
	RB3412	3RB3412	3/4-14 to 1/2-14	NPT
	RB10012	3RB10012	1-11.5 to 1/2-14	NPT
	RB10034	3RB10034	1-11.5 to 3/4-14	NPT
	RB20034	3RB20034	2-11.5 to 3/4-14	NPT
Pipe Plug, Square Head 				
	Nylon	Polypropylene	Thread	Barb
	SP34	3SP34	3/4-14 NPT	*

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Male Straight Thread to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	38D	338D	11/16-16 UN	3/8
	3812D	33812D	11/16-16 UN	1/2
Barbed Nozzle Fitting 				
	Nylon	Polypropylene	Thread	Barb
	K8414	3K8414	*	1/4
	K8438	3K8438	*	3/8
	K8412	3K8412	*	1/2
Coupling, Female Pipe Thread to Female Straight Thread 				
	Nylon	Polypropylene	Thread	Barb
	NF1614	3NF1614	11/16-16 UN to 1/4-18 NPT	*
Elbow, Male Straight Thread to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	NTL14	3NTL14	11/16-16 UN	1/4
	NTL38	3NTL38	11/16-16 UN	3/8
	NTL12	3NTL12	11/16-16 UN	1/2
	NTL58	3NTL58	11/16-16 UN	5/8
	NTL34	3NTL34	11/16-16 UN	3/4

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Barbed Tee to Male Straight Thread 				
	Nylon	Polypropylene	Thread	Barb
	NTT38	3NTT38	11/16-16 UN	3/8's
	NTT12	3NTT12	11/16-16 UN	1/2's
	NTT58	3NTT58	11/16-16 UN	5/8's
	NTT34	3NTT34	11/16-16 UN	3/4's
Cross Hose Barbs to Male Straight Thread 				
	Nylon	Polypropylene	Thread	Barb
	T38C	3T38C	11/16-16 UN	3/8's
	T12C	3T12C	11/16-16 UN	1/2's
	T34C	3T34C	11/16-16 UN	3/4's
Nipple, Male Straight Thread to Male Pipe Thread 				
	Nylon	Polypropylene	Thread	Barb
	NB1614	3NB1614	11/16-16 UN to 1/4-18 NPT	*
	NB1612	3NB1612	11/16-16 UN to 1/2-14 NPT	*
Nozzle Nut 				
	Nylon	Polypropylene	Thread	Barb
	B12	3B12	11/16-16 UN	*

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Knurled Cap 				
	Nylon	Polypropylene	Thread	Barb
	3942	33942	11-16-16 UN	*
Swivel Nut 				
	Nylon	Polypropylene	Thread	Barb
	8027	38027	11-16-16 UN	*
Adapter, Male Garden Hose Thread to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	D3414	3D3414	3/4-11.5 NH	1/4
	D3438	3D3438	3/4-11.5 NH	3/8
	D3412	3D3412	3/4-11.5 NH	1/2
	D3458	3D3458	3/4-11.5 NH	5/8
	D34	3D34	3/4-11.5 NH	3/4
Adapter, Male Garden Hose Thread to Male Pipe Thread 				
	Nylon	Polypropylene	Thread	Barb
	E3438	3E3438	3/4-11.5 NH to 3/8-18 NPT	*
	E3412	3E3412	3/4-11.5 NH to 1/2-14 NPT	*
	E34	3E34	3/4-11.5 NH to 3/4-14 NPT	*

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Adapter, Male Garden Hose Thread to Female Pipe Thread 				
	Nylon	Polypropylene	Thread	Barb
	G3414	3G3414	3/4-11.5 NH to 1/4-18 NPT	*
	G3412	3G3412	3/4-11.5 NH to 1/2-14 NPT	*
	G34	3G34	3/4-11.5 NH to 3/4-14 NPT	*
	G3412L	3G3412L	3/4-11.5 NH to 1/2-14 NPT	*
Adapter, Female Garden Hose Thread to Male Pipe Thread 				
	Nylon	Polypropylene	Thread	Barb
	H34	3H34	3/4-11.5 NH to 3/4-14 NPT	*
Adapter, Female Garden Hose Thread to Male Garden Hose Thread 				
	Nylon	Polypropylene	Thread	Barb
	I34	3I34	3/4-11.5 NH to 3/4-11.5 NH	*
Coupling, Female Garden Hose Thread to Female Pipe Thread 				
	Nylon	Polypropylene	Thread	Barb
	J3412	3J3412	3/4-11.5 NH to 1/2-14 NPT	*

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Elbow, Male Garden Hose Thread to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	ELD3414	3ELD3414	3/4-11.5 NH	1/4
	ELD3438	3ELD3438	3/4-11.5 NH	3/8
	ELD3412	3ELD3412	3/4-11.5 NH	1/2
	ELD3458	3ELD3458	3/4-11.5 NH	5/8
	ELD3434	3ELD3434	3/4-11.5 NH	3/4
Tee, Male Garden Hose Thread to Hose Barb 				
	Nylon	Polypropylene	Thread	Barb
	TD3438	3TD3438	3/4-11.5 NH	3/8's
	TD3412	3TD3412	3/4-11.5 NH	1/2's
	TD3458	3TD3458	3/4-11.5 NH	5/8's
	TD3434	3TD3434	3/4-11.5 NH	3/4's
Hose Barb Flat Seat 				
	Nylon	Polypropylene	Thread	Barb
	C14	3C14	*	1/4
	C38	3C38	*	3/8
	C12	3C12	*	1/2
	C58	3C58	*	5/8
	C34	3C34	*	3/4
Knurled Swivel Nut 				
	Nylon	Polypropylene	Thread	Barb
	B3412	3B3412	3/4-11.5 NH	*
	B3458	3B3458	3/4-11.5 NH	*
	B34	3B34	3/4-11.5 NH	*

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Knurled Cap 				
	Nylon	Polypropylene	Thread	Barb
	N34	3N34	3/4-11.5 NH	*
Black Vinyl Washer 				
	Nylon	Polypropylene	Thread	Barb
	*	W406V	*	*

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Properties of Materials

Nylon

Nylon fittings are generally acceptable for working pressures up to 150 PSI at normal room temperatures. At very low pressures, temperatures can approach 175°F with no degradation of the fitting's strength.

Nylon has good resistance to a fairly broad range of chemicals including most agricultural chemicals, ammonium compounds, detergents, diesel fuel, ethanol, gasoline, hexane, magnesium sulfate, most sodium compounds, trichloroethylene and zinc sulfate.

Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid or xylene.

AIMS fasteners and fittings are **not** intended for use with compressed gases.

Physical Properties of Nylon

Specific Gravity: 1.12
Heat Deflection: 375°F @ 66 PSI
Rockwell Hardness (R): 120
Izod Impact: 1.0 ft-lb/in

Polypropylene

Polypropylene fittings are generally acceptable for working pressures up to 150 PSI at normal room temperatures. At higher temperatures, the recommended working pressure decreases. For example, at 140°F the maximum recommended working pressure is 90 PSI.

Our product line is made with 10% glass polypropylene resin. We can provide information regarding polypropylene's resistance to a wide range of chemicals including agricultural chemical, acid-based fertilizers, ammonium compounds, calcium carbonate, DDT, ethanol, hydrochloric acid, magnesium sulfate, oxalic acid, propionic acid, phosphoric acid and sodium compounds.

Polypropylene should not be used with aromatic hydrocarbons, carbon tetra-chloride, gasoline, hexane, kerosene, nitric acid, sodium hypochlorite, toluene, trichloro-ethylene or xylene. AIMS fasteners and fittings are **not** intended for use with compressed gases.

Physical Properties of Polypropylene

Specific Gravity: 0.98
Heat Deflection: 285°F @ 66 PSI
Rockwell Hardness (R): 100
Izod Impact: 0.8 ft-lb/in

AIMS Fasteners & Fittings
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AIMS Warranty

Our products are sold with the understanding and on condition that the purchaser will test them in actual use and make his/her own determination as to their acceptability for the intended use, and the purchaser agrees to such condition. Use of these products other than for applications illustrated constitutes a misuse for which the purchaser bears all responsibility.

The company warrants to the original purchaser only that products, when purchased in the original, unopened package, are to be free from defects in materials and workmanship. AIMS' sole obligation, and purchaser's sole remedy, for any breach of this warranty is limited to repair or replacement of the product at AIMS' option.

AIMS will not under any circumstances be liable for the loss of the use of a purchaser's equipment or facilities, or for loss of any business or good will or profits, or for cost of inspection, transportation or storage, or for any incidental or consequential damages of any nature or description. Purchaser must notify AIMS in writing of any products which are deemed to be defective within 30 days from date of invoice.

AIMS expressly disclaims any and all expressed or implied warranties concerning its products including, without limitation, warranty of merchantability, except the warranty set forth above.

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