GREAT LAKES COPPER | MUELLER REFRIGERATION

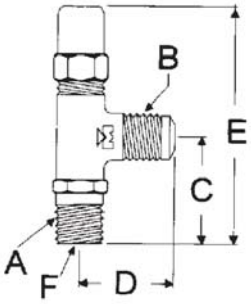
PACKED LINE VALVES

ANGLE, BACKSEATING

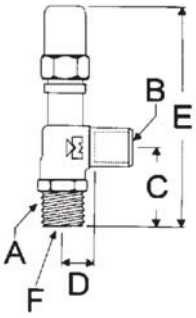


Features:

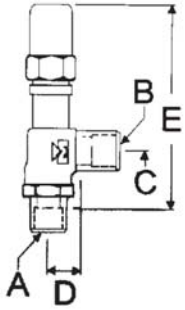
- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- Forged brass body
- Corrosion resistant stem suitable for refrigerants and other industrial fluids



NPTFE Inlet to Flare



NPTFE Inlet to Solder



Solder to Solder

NPTFE Inlet to Flare

Part Number	NPTFE A in	Flare B		C		D		E		Counterbore Dim F				Standard Cap		Replacement Seal Cap			Wt	
										Diameter		Depth		Material	Seal Cap	Brass	Plastic	Steel		
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm						lb	kg
A 13183	1/2	5/8		1.81	46	1.50	38	4.64	118	.504	12.80	.375	9.53	Steel	A 04566	A 16474	P 34627	A 04566	0.58	0.26
A 13220	1/2	1/2		1.81	46	1.31	33	4.11	104	.504	12.80	.375	9.53	Steel	A 04566	A 16474	P 34627	A 04566	0.55	0.25

Part Number	NPTFE A in	Solder B		C		D		E		Counterbore Dim F				Standard Cap		Replacement Seal Cap			Wt	
										Diameter		Depth		Material	Seal Cap	Brass	Plastic	Steel		
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm						lb	kg
A 13977	1/2	1/2	13	1.81	46	1.00	25	4.11	104	.504	12.80	.375	9.53	Steel	A 04566	A 16474	P 34627	A 04566	0.45	0.20
A 13978	1/2	5/8	17	1.80	46	1.00	25	4.70	119	.504	12.80	.375	9.53	Steel	A 04566	A 16474	P 34627	A 04566	0.55	0.25
A 13979	3/4	7/8	22	2.10	53	1.00	25	6.02	153	.754	19.15	.625	15.88	Plastic	P 34632	A 16474	P 34627	A 04566	1.02	0.46

Solder to Solder

Part Number	A		B		C		D		E		Counterbore Dim F				Standard Cap		Replacement Seal Cap			Wt	
											Diameter		Depth		Material	Seal Cap	Brass	Plastic	Steel		
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm						lb	kg
A 17506	5/8	17	5/8	17	1.40	36	1.00	25	4.20	107					Steel	A 04566	A 16474	P 34627	A 04566	0.66	0.30

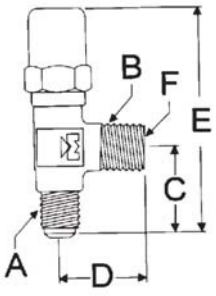
PACKED LINE VALVES

ANGLE, NON-BACKSEATING

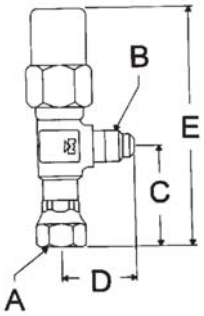


Features:

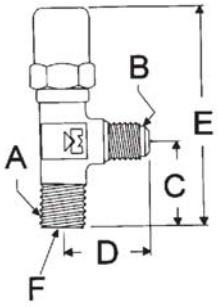
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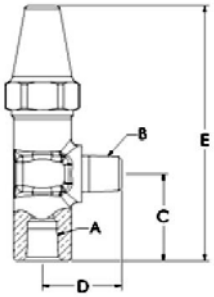


Flare to NPTFE

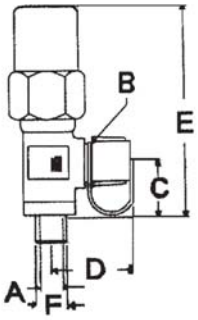


Internal Swivel Fl x Fl NPTFE Inlet to Flare





NPTFE x NPTFI



Solder to Flare

Flare to NPTFE

Part Number		Flare A	NPTFE B		C		D		E		Counterbore Dim F				Standard Cap		Replacement Seal Cap			Wt	
											Diameter		Depth		Material	Seal Cap	Brass	Plastic	Steel		
		in	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm						lb	kg
A 15073	#	1/4	1/4		0.94	24	1.00	25	2.96	75	.254	6.45	.31	7.87	Steel	A 04566	A 16474	P 34627	A 04566	0.43	0.19

Torque			
Pack Gland		Seal Cap	
ft-lb	N-m	ft-lb	N-m
8 - 12	11 - 16	6 - 10	8 - 14

Internal Swivel Flare to Flare

Part Number		Flare A in	Flare B in	C in	C mm	D in	D mm	E in	E mm	Torque Pack Gland ft-lb	Torque Pack Gland N-m	Torque Seal Cap ft-lb	Torque Seal Cap N-m	Standard Cap Material	Standard Cap Seal Cap	Replacement Seal Cap Brass	Replacement Seal Cap Plastic	Replacement Seal Cap Steel	Wt lb	Wt kg
B 33803	**	1/4	1/4	1.47	37	1.06	27	3.90	99	8 - 12	11 - 16	6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.34	0.16
A 17429	***	1/4	1/4	1.47	37	1.06	27	3.49	89	8 - 12	11 - 16	Finger Tight		Plastic	P 34627	A 16474	P 34627	A 04566	0.23	0.10
B 34247	****	1/4	1/4	1.47	37	1.06	27	3.90	99	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	A 16474	P 34627	A 04566	0.34	0.16
A 17474	**	3/8	3/8	1.52	39	1.12	28	3.55	90	8 - 12	11 - 16	6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.27	0.12
B 34261	****	3/8	3/8	1.52	39	1.12	28	3.55	90	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	A 16474	P 34627	A 04566	0.42	0.19
B 35519		1/4	1/4	1.47	37	1.06	27	3.49	89										0.33	0.15

NPTFE Inlet to Flare

Part Number	NPTFE A in	Flare B		C		D		E		Counterbore Dim F				Standard Cap		Replacement Seal Cap			Wt	
										Diameter		Depth		Material	Seal Cap	Brass	Plastic	Steel		
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm						lb	kg
B 33964 ###	1/4	1/4		1.00	25	0.94	24	3.04	77	.254	6.45	.31	7.87	Steel	A 04566	A 16474	P 34627	A 04566	0.31	0.14
A 11030	1/4	3/8		1.06	27	1.12	28	3.10	79	.317	8.05	.31	7.87	Steel	A 04566	A 16474	P 34627	A 04566	0.25	0.11
A 13613	3/8	1/4		1.12	28	1.06	27	3.14	80	.379	9.63	.31	7.87	Steel	A 04566	A 16474	P 34627	A 04566	0.33	0.15
A 11031 **	1/4	1/4		1.00	25	0.94	24	3.04	77	.254	6.45	.31	7.87	Steel	A 04566	A 16474	P 34627	A 04566	0.28	0.13
A 16472 *	1/4	1/4		1.00	25	0.94	24	3.04	77	.254	6.45	.31	7.87	Brass	A 16474	A 16474	P 34627	A 04566	0.29	0.13
B 34248 ##	1/4	1/4		1.00	25	0.94	24	3.04	77	.254	6.45	.31	7.87						0.26	0.12
A 13503	3/8	3/8		1.12	28	1.12	28	3.15	80	.379	9.63	.31	7.87	Steel	A 04566	A 16474	P 34627	A 04566	0.34	0.15
A 11042	3/8	1/2		1.38	35	1.38	35	3.77	96	.379	9.63	.31	7.87	Steel	A 00409	NA	NA	A 00409	0.51	0.23
A 19023	1/2	3/8		1.81	46	1.31	33	4.13	105	.504	12.80	.38	9.65	Steel	A 04566	A 16474	P 34627	A 04566	0.59	0.27

NPTFE x NPTFI, NPTFI x NPTFE

Part Number		A	B	C		D		E		Torque		Standard Cap		Replacement Seal Cap			Wt	
										Pack Gland		Material	Seal Cap	Brass	Plastic	Steel		
		in	in	in	mm	in	mm	in	mm	ft-lb	N-m						lb	kg
A 13502	NPTFE X NPTFI	1/4	1/4	1.38	35	1.06	27	3.78	96	8 - 12	11 - 16	Steel	A 00409	NA	NA	A 00409	0.49	0.22
B 32222	NPTFI X NPTFE	1/4	1/4	1.25	32	1.12	28	3.64	92	8 - 12	11 - 16	Steel	A 00409	NA	NA	A 00409	0.51	0.23

Solder to Flare

Part Number ^		Solder A in	Flare B in	C		D		E		F ODE		Torque				Standard Cap		Replacement Seal Cap			Wt	
												Pack Gland		Seal Cap		Material	Seal Cap	Brass	Plastic	Steel		
				in	mm	in	mm	in	mm	in	mm	ft-lb	N-m	ft-lb	N-m						lb	kg
A 17502	**	1/4	1/4	0.71	18	1.03	26	2.75	70	3/8	10	8 - 12	11 - 16	6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.30	0.14
B 34252	*	1/4	1/4	0.71	18	1.03	26	2.75	70	3/8	10	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	A 16474	P 34627	A 04566	0.31	0.14
B 35161	##	1/4	1/4	0.71	18	1.03	26	2.75	70	3/8	10	8 - 12	11 - 16	6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.31	0.14
A 17503	**	3/8	3/8	0.69	18	1.50	38	2.72	69	1/2	13	8 - 12	11 - 16	6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.38	0.17
B 34255	****	3/8	3/8	0.69	18	1.27	32	2.72	69	1/2	13	8 - 12	11 - 16	20 - 30	27 - 41	Brass	A 16474	A 16474	P 34627	A 04566	0.37	0.17
B 35160	##	3/8	3/8	0.69	18	1.50	38	2.72	69	1/2	13	8 - 12	11 - 16	6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.38	0.17
B 34288	***	3/8	3/8	0.69	18	1.50	38	2.72	69	1/2	13	8 - 12	11 - 16	FT	FT	Plastic	P 34627	A 16474	P 34627	A 04566	0.31	0.14
A 19022	####	1/2	1/4	0.64	16	1.20	30	2.67	68	5/8	17	8 - 12	11 - 16	6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.32	0.14
A 19021	####	1/2	3/8	0.64	16	1.20	30	2.67	68	5/8	17	8 - 12	11 - 16	6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.39	0.18
A 17913	##	3/8	1/4	0.69	18	1.17	30	2.72	69	3/8	10			6 - 10	8 - 14	Steel	A 04566	A 16474	P 34627	A 04566	0.30	0.14
B 35284				0.00	0	0.00	0	0.00	0												0.25	0.11

#	Machined to accept OD size tube as indicated.
##	Steel Seal Cap, Loosely Assembled
###	Cap finger tight for shipping
*	Brass Seal Cap
**	Steel Seal Cap
***	Plastic Seal Cap
****	Brass Seal Cap, includes copper gasket
^	3/8 Solder also 1/2 FTG
^	1/4 Solder also 3/8 FTG