

Fixed-Flow Adapters and Surge Protectors



H1400-20
fixed-flow adapter



15001-30
surge protector

H1400 SERIES FIXED-FLOW ADAPTERS

Designed for welding operations or other applications requiring fixed inert gas flows. Installs in regulator outlet or pipeline outlet without regulator. Set regulator at the desired pressure and be assured of the correct gas flow. Inlet filter protects orifice from debris. Female thread size 5/8"-18 UNF, male thread size 1/4-inch NPT — *ideal for directly connecting to pipeline outlet.*

15001 SERIES SURGE PROTECTORS

Fixed-flow surge protectors designed for MIG welding applications eliminate sudden surges of shielding gas into the wire feeder. Female thread size 5/8"-18 UNF, male thread size 5/8"-18 UNF — *ideal for directly connecting to welder or wire feeder.*



Surge protector

H1400-20 Fixed-Flow Adapter and 15001-20 Surge Protector						
ORIFICE DIAMETER	PRESSURE (PSIG)	GAS FLOW (SCFH)				
		CO ₂	AIR	ARGON	HELIUM	NITROGEN
0.026	5	9	11	9	29	11
	10	11	13	12	36	14
	15	13	16	14	43	17
	20	16	19	16	51	19
	25	18	21	19	58	22
	30	20	24	21	65	25
	35	22	27	23	72	28
	40	24	29	26	79	31
	45	27	32	28	87	33
	50	29	35	30	94	36
	55	31	37	33	101	39
	60	33	40	35	108	42
	65	36	43	37	116	44
	70	38	45	40	123	47
	75	40	48	42	130	50
	80	42	51	44	137	53
	85	44	53	47	144	56
90	47	56	49	152	58	
95	49	59	51	159	61	
100	51	61	54	166	64	

H1400-30 Fixed-Flow Adapter and 15001-30 Surge Protector						
ORIFICE DIAMETER	PRESSURE (PSIG)	GAS FLOW (SCFH)				
		CO ₂	AIR	ARGON	HELIUM	NITROGEN
0.032	5	13	16	14	44	17
	10	17	21	18	56	21
	15	20	25	21	67	25
	20	23	29	25	78	30
	25	27	33	28	89	34
	30	30	37	32	100	38
	35	33	41	36	111	42
	40	37	45	39	122	46
	45	40	49	43	133	51
	50	43	53	46	144	55
	55	47	58	50	156	59
	60	50	62	53	167	63
	65	53	66	57	178	68
	70	57	70	60	189	72
	75	60	74	64	200	76
	80	63	78	68	211	80
	85	67	82	71	222	84
90	70	86	75	233	89	
95	73	90	78	244	93	
100	77	95	82	256	97	

Note: To determine the gas flow (scfh), set the regulator or pipeline to the desired pressure (psig, gray column).



Smith Equipment
A Brand of Miller Electric Mfg. LLC
2601 Lockheed Avenue
Watertown, SD 57201

Equipment Sales US and Canada
Phone: 866-931-9730
International Phone: 920-735-4554

MillerWelds.com



H1400-40 Fixed-Flow Adapter and 15001-40 Surge Protector

ORIFICE DIAMETER	PRESSURE (PSIG)	GAS FLOW (SCFH)				
		CO ₂	AIR	ARGON	HELIUM	NITROGEN
0.037	5	17	21	18	57	22
	10	22	27	23	72	27
	15	26	32	27	86	33
	20	30	37	32	100	38
	25	35	43	36	115	44
	30	39	48	41	129	49
	35	43	53	46	143	54
	40	48	59	50	158	60
	45	52	64	55	172	65
	50	56	69	59	186	71
	55	61	75	64	201	76
	60	65	80	68	215	82
	65	69	85	73	229	87
	70	74	91	77	244	93
	75	78	96	82	258	98
	80	82	101	87	272	103
	85	87	107	91	287	109
	90	91	112	96	301	114
	95	95	117	100	315	120
	100	100	123	105	330	125

H1400-50 Fixed-Flow Adapter

ORIFICE DIAMETER	PRESSURE (PSIG)	GAS FLOW (SCFH)				
		CO ₂	AIR	ARGON	HELIUM	NITROGEN
0.042	5	22	28	24	74	28
	10	28	34	29	93	35
	15	34	41	35	111	42
	20	39	48	41	130	49
	25	45	55	47	148	56
	30	51	62	53	167	63
	35	56	69	59	186	70
	40	62	76	65	204	77
	45	67	83	71	223	84
	50	73	90	77	241	91
	55	79	96	82	260	98
	60	84	103	88	278	105
	65	90	110	94	297	112
	70	95	117	100	315	119
	75	101	124	106	334	126
	80	107	131	112	353	133
	85	112	138	118	371	140
	90	118	145	124	390	147
	95	123	152	130	408	154
	100	129	158	135	427	161

Note: To determine the gas flow (scfh), set the regulator or pipeline to the desired pressure (psig, gray column).

Ordering Information

EQUIPMENT	STOCK NO.	DESCRIPTION	QTY.	PRICE
H1400 Series Fixed Flow Adapters Female thread size 5/8"-18 UNF, male thread size 1/4-inch NPT	H1400-20	0.026 orifice diameter		
	H1400-30	0.032 orifice diameter		
	H1400-40	0.037 orifice diameter		
	H1400-50	0.042 orifice diameter		
15001 Series Surge Protectors Female and male thread size 5/8"-18 UNF	15001-20	0.026 orifice diameter		
	15001-30	0.032 orifice diameter		
	15001-40	0.037 orifice diameter		
Medium-Duty Regulators	30-150-580	For argon, nitrogen and helium		
	30-150-320	For CO ₂		
	30-100-540	For oxygen		
Inert Gas Hose	7294-1	6-foot (1.8 m) length, 1/4-inch (6 mm) diameter with 5/8"-18 RH male connections		

DATE:

TOTAL QUOTED PRICE:

Distributed By:

