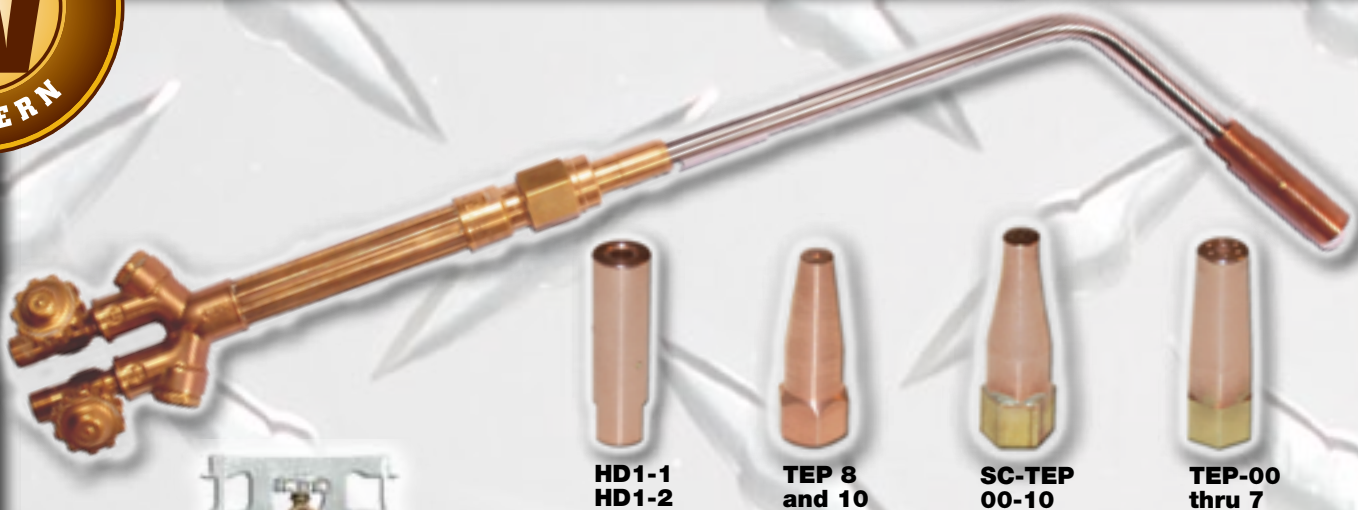




Heating & Brazing Equipment



HD-1

HD-2

HD-3

HD-4

HD-5

WESTERN
INTERNATIONAL GAS & CYLINDERS, INC.



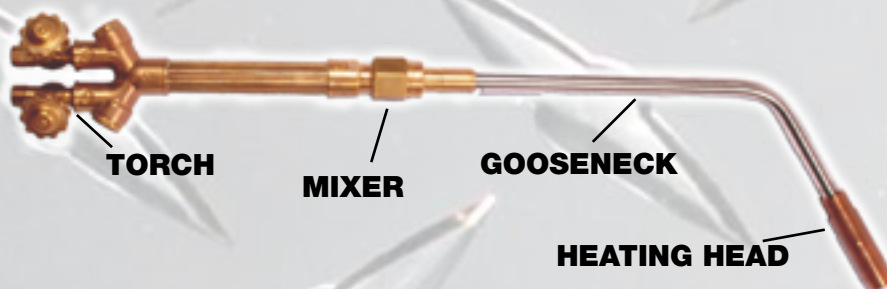
Heating & Brazing

CORPORATE OFFICE

7173 Hwy. 159 E. | Bellville, Texas 77418-0668
979.413.2100 Main Number | 979.413.2266 Fax
www.WESTERNINTL.com

Heating Equipment

Complete Assembly Ordering Information. The design of heating equipment has been tested, proven and accepted to the point that O.E.M. manufacturers now emulate our equipment instead of the other way around. This came about through our determination to use nothing but solid tellurium copper, stainless steel and improved designs throughout our heating equipment line.



For Airco/Concoa Torches

Stock No.	GN	Heating Head
A-18-1	18"	Size 1
A-18-2	18"	Size 2
A-24-3	24"	Size 3
A-24-4	24"	Size 4*
A-36-5	36"	Size 5*

For Harris Torches

Stock No.	GN	Heating Head
H-18-1	18"	Size 1
H-18-2	18"	Size 2
H-24-3	24"	Size 3
H-24-4	24"	Size 4*
H-18-5	36"	Size 5*

For Smith Torches

Stock No.	GN	Heating Head
S-18-1	18"	Size 1
S-18-2	18"	Size 2
S-24-3	24"	Size 3
S-24-4	24"	Size 4*
S-18-5	36"	Size 5*

For Oxweld Torches

Stock No.	GN	Heating Head
O-18-1	18"	Size 1
O-18-2	18"	Size 2
O-18-3	24"	Size 3
O-18-4	24"	Size 4*
O-18-5	36"	Size 5*

For Purox Torches

Stock No.	GN	Heating Head
P-18-1	18"	Size 1
P-18-2	18"	Size 2
P-24-3	24"	Size 3

For Victor Torches

Stock No.	GN	Heating Head
V-18-1	18"	Size 1
V-18-2	18"	Size 2
V-24-3	24"	Size 3
V-24-4	24"	Size 4*
V-36-5	36"	Size 5*

*WARNING: Use High Volume Torches & Regulators Only.



Heating Equipment

HEATING HEADS

Component part ordering information



HD-1



HD-2



HD-3



HD-4*



HD-5*

OPERATING INFORMATION FOR HD HEADS

STOCK NO.	FUEL			OXYGEN		CONE LENGTH	105 LB. CYLINDERS REQUIRED AT 70°+**
	PRESSURE	CFH	BTU	PRESSURE	CFH		
HD-1	20	150	355,650	40	400	5/8	2
HD-2	25	250	592,750	60	1,000	5/8	3
HD-3	30	350	829,850	60	1,000	3/4	4
HD-4*	35	500	1,185,500	80	1,500	3/4	6
HD-5*	40	650	1,541,150	100	1,900	3/4	8 or Bulk
HT Heating Tip	20		250,000	70			

*WARNING: HD-4 and HD-5 require high volume torches and regulators or they are subject to meltdown.

** Recommended number of 105 lb. cylinders to be manifolded for continuous use for proper vapor withdrawal.

HPG GOOSENECKS

HPG gooseneck fits any HPG heating head or mixer for any O.E.M. torch handle. The rule of thumb is that you will want to order goosenecks according to the size of heating head or application desired. See the selection of complete heating units for recommended combinations.

Stainless Steel Goosenecks

GN-12	12" X.X. GOOSENECK
GN-18	18" S.S. GOOSENECK
GN-24	24" S.S. GOOSENECK
GN-36	36" S.S. GOOSENECK

HPG MIXERS



These mixers are a very special development by the HPG design team. We studied the dozens of mixer designs available and discovered one basic design was superior. We modified the orifices, improved the flow and then produced this same basic design to fit the vast majority of popular O.E.M. torches. All of these mixers use the same 1/2" threads as all goosenecks and feature the solid metal-to-metal seat design today's customers know to demand.

Selecting Mixers for O.E.M. Torches

STOCK NO.	O.E.M.	TORCH HANDLE
AMX	AIRCO	Style 800
HMX	HARRIS	43-2, 63-2, and 18-3
O-17-MX	OXWELD	W-17
PMX	PUROX	W300 and W400
SMX	SMITH	SW1a, SW2 and SW10
VMX	VICTOR	Series 300

WESTERN
INTERNATIONAL GAS & CYLINDERS, INC.



Brazing Equipment

HEAVY DUTY

AIRCO 800
CONCOA

HARRIS 43-2
63-2 and 18-3

OXWELD W-17

SMITH
SW-1a and 2

VICTOR 300, WH 350

A HPG BRAZING EQUIPMENT



O-17



V

A

H

S

UNM

P

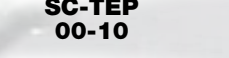
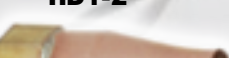
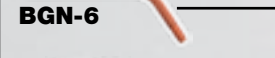
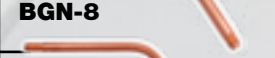
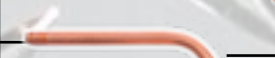
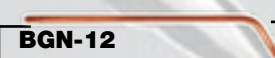
A

H

S

V

P



HPG Brazing Tip Reference Data

HPG Tip#	Drill Size	HP PSIG	HPG	Oxy. PSIG
00	76	3-5	4-9	3-6
0	70	36-	6-12	3-6
1	65	3-6	9-18	4-8
2	60	3-6	10-20	5-10
3	56	4-8	12-24	8-15
4	53	5-10	20-40	10-25
5	49	6-12	30-75	15-30
6	43	7-14	60-120	30-40
7	38	8-15	90-180	30-40
8	30	12-24	160-320	40-70
10	25	32-44	200-400	50-80
HD1-1	200,000 BTU	5-10	70-100	40-60
HD1-2	355,000 BTU	10-15	100-150	50-70

MEDIUM DUTY

AIRCO 750
CONCOA

HARRIS 85

SMITH MW5

VICTOR 100, WH 260

PUROX
W400 and W300

LIGHT DUTY

AIRCO 650
CONCOA

HARRIS 16

SMITH AW-1 and 10

VICTOR "J"

PUROX W200

