

H2O JET
waterjetparts.com[®]

PRODUCT CATALOG





Value-Added Solutions Aftermarket Satisfaction

To guarantee optimum, aftermarket customer satisfaction we provide:

- 24-hour (or faster) shipment of stock items
- Convenient Online Ordering
- Telephone hotline service for ordering parts and answering technical questions
- Immediate technical support by highly qualified service professionals
- Immediate worldwide field service technician support
- Modular training programs and seminars on maintenance, troubleshooting, equipment operation and safety
- Test cuts to evaluate waterjet cutting performance on your specific material



**You cut,
we handle
the pressure!**

4 EASY WAYS TO ORDER 24/7

Sales Representative Contact Information

Name _____

Phone _____

Email _____

Toll Free Order-line:

866-WATERJET (928-3753)

Online:

www.waterjetparts.com

Fax:

360-539-2440

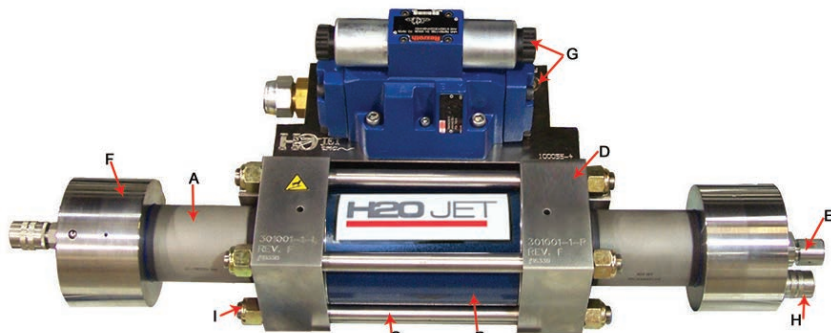
Email:

sales@waterjetparts.com

Intensifier Assemblies	1-2
Intensifier Parts	3
Intensifier Shifting	4
High Pressure Check Valve	5
Hydraulic Bleed Down	6
Hydraulic Components	7-8
Extreme Flow 75hp & 150hp - 60k	9-10
Intensifier Parts - 94k	11
Intensifier Parts - Hydraulic - 94k	12
Check Valve & Bleed Down - 94k	13
Tools - 94k	14
On/Off Valves Parts	15
On/Off Valve Repair Kits	16
Mini On/Off	17
On/Off Valve EP - 94k	18
On/Off Valve Assemblies	19
IDE™ III	20-21
IDE™ 94K EP	22
IDE™ Components & Adapters	23
Short Stop & Inline Filters	24
Nozzle Nut's & Body's	25
Abrasive Nozzles	26
Orifice Assemblies	27-28
Flow Rate Chart	29
Filtration	30
HP Tubing Tools	31
Tools	32
HP Fittings & Tubing	33-34
Lubricants	35
Misc. Pump Components	36
Abrasive Systems	37
Pumps	38-40

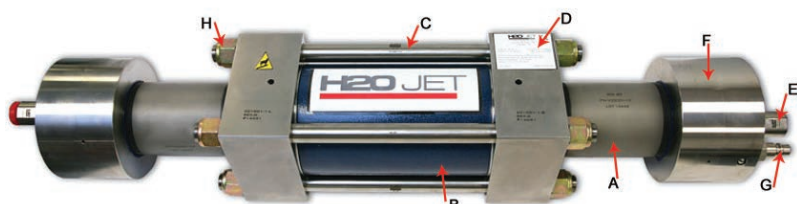
All product and company names are registered® trademarks of their respective holders.
Use of them does not imply any affiliation with or endorsement by them.

All specifications are subject to change without notice.
Some variations between picture and product may occur.



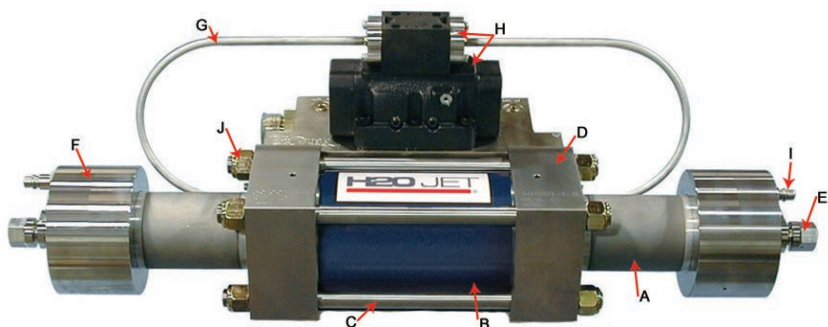
Electric Shift Intensifiers

60K Electric Shift	301020-3
60K Electric Shift - H2O 2pc. Check Valve	301020-3-3
60K Electric Shift - H2O 2pc. Check Valve Hi-Load	301020-3-3-HL
60K Electric Shift - Hi-Load	301020-3-HL
60K Electric Shift - Top Mount H2O 2pc. Check Valve	301020-6-3-HL
40K Electric Shift - H2O 2pc. Check Valve Hi-Load	301020-5-3-HL



Short Block Intensifiers

60K Standard	301003-1
60K H2O 2pc. Check Valve	301003-1-3
60K Hi-Load	301003-3
60K H2O 2pc. Check Valve w/Hi-Load	301003-3-3
40K Standard	301003-2
40K H2O 2pc. Check Valve	301003-2-4
40K Hi-Load	301003-4
40K H2O 2pc. Check Valve w/Hi-Load	301003-4-4



Mechanical Shift Intensifiers

60K Mechanical Shift	301020-1
60K Mechanical Shift - H2O 2pc. Check Valve	301020-1-3
60K Mechanical Shift - H2O 2pc. Check Valve Hi-Load	301020-1-3-HL
60K Mechanical Shift - Hi-Load	301020-1-HL
60K Mechanical Shift - Top Mount	301020-4
60K Mechanical Shift - Top Mount H2O 2pc. Check Valve	301020-4-3
60K Mechanical Shift - Top Mount 2pc. Check Valve Hi-Load	301020-4-3-HL
60K Mechanical Shift - Top Mount Hi-Load	301020-4-HL
40K Mechanical Shift	301020-2
40K Mechanical Shift - H2O 2pc. Check Valve	301020-2-4
40K Mechanical Shift - H2O 2pc. Check Valve Hi-Load	301020-2-4-HL
40K Mechanical Shift - H2O 2pc. Hi-Load	301020-2-HL

Electric Shift

Intensifier Parts Legend

A - High Pressure Cylinder 60K	100001-1
A - High Pressure Cylinder 40K	100001-2
B - Hydraulic Cylinder 60K/40K	100008-1
C - Tie Rod	100017-1
D - End Bell 60K Left	301001-1-L
D - End Bell 60K Right	301001-1-R
D - End Bell 40K Left	301001-2-L
D - End Bell 40K Right	301001-2-R
E - Check Valve Assy. 60K	301002-1
E - Check Valve Assy. 40K	301002-2
E - Check Valve Assy. 60K -2 Piece	301002-3
E - Check Valve Assy. 40K -2 Piece	301002-4
F - End Cap Assy.	301004-1
G - Electric Pilot Shift & Main Valve Assy.	301018-2
H - Quick Disconnect W/Hose Barb Assy.	301031-1
I - Hex Nut 3/4-16	400004-1
Parts (Not Shown)	
Electric Shift Sensor Assy.	301011-3
Piston & Plunger Assy. 60K	301005-1
Piston & Plunger Assy. 40K	301005-2
Hi-Load Piston & Plunger Assy. 60K	301005-3
Hi-Load Piston & Plunger Assy. 40K	301005-4

Short Block

Intensifier Parts Legend

A - High Pressure Cylinder 60K	100001-1
A - High Pressure Cylinder 40K	100001-2
B - Hydraulic Cylinder 60K/40K	100008-1
C - Tie Rod	100017-1
D - End Bell 60K Left	301001-1-L
D - End Bell 60K Right	301001-1-R
D - End Bell 40K Left	301001-2-L
D - End Bell 40K Right	301001-2-R
E - Check Valve Assy. 60K	301002-1
E - Check Valve Assy. 40K	301002-2
E - Check Valve Assy. 60K -2 Piece	301002-3
E - Check Valve Assy. 40K -2 Piece	301002-4
F - End Cap Assy.	301004-1
G - Quick Disconnect Nipple Assy.	301019-1
H - Hex Nut 3/4-16	400004-1
Parts (Not Shown)	
Piston & Plunger Assy. 60K	301005-1
Piston & Plunger Assy. 40K	301005-2
Hi-Load Piston & Plunger Assy. 60K	301005-3
Hi-Load Piston & Plunger Assy. 40K	301005-4

Mechanical Shift

Intensifier Parts Legend

A - High Pressure Cylinder 60K	100001-1
A - High Pressure Cylinder 40K	100001-2
B - Hydraulic Cylinder 60K/40K	100008-1
C - Tie Rod	100017-1
D - End Bell 60K Left	301001-1-L
D - End Bell 60K Right	301001-1-R
D - End Bell 40K Left	301001-2-L
D - End Bell 40K Right	301001-2-R
E - Check Valve Assy. 60K	301002-1
E - Check Valve Assy. 40K	301002-2
E - Check Valve Assy. 60K -2 Piece	301002-3
E - Check Valve Assy. 40K -2 Piece	301002-4
F - End Cap Assy.	301004-1
G - Cable Guide Assy, Left - Side Mount	301011-1-L
G - Cable Guide Assy, Right - Side Mount	301011-1-R
G - Cable Guide Assy, Left - Top Mount	301011-2-L
G - Cable Guide Assy, Right - TopMount	301011-2-R
H - Mechanical Pilot Shift & Main Valve Assy.	301018-1
I - Water Inlet Nipple (Quick Disconnect)	301019-1
J - Hex Nut 3/4-16	400004-1
Parts (Not Shown)	
Piston & Plunger Assy. 60K	301005-1
Piston & Plunger Assy. 40K	301005-2
Hi-Load Piston & Plunger Assy. 60K	301005-3
Hi-Load Piston & Plunger Assy. 40K	301005-4

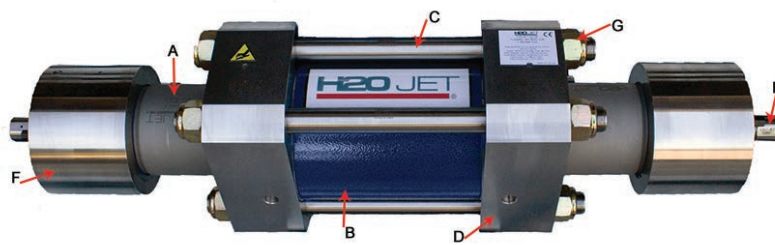
1.5 GPM 60k

Intensifier Parts Legend

A - High Pressure Cylinder 1.5 GPM	100001-3
B - Hydraulic Cylinder 94K/1.5GPM	190008-2
C - Tie Rod	100017-2
D - End Bell 60K Left	301001-3-L
D - End Bell 60K Right	301001-3-R
E - Check Valve Assy. 60K	301002-5
F - End Cap Assy.	301004-2
G - Hex Nut 3/4-16	400004-2

Parts (Not Shown)

Electric Shift Sensor Assy. 1.5 GPM	301011-4
Hi-Load Piston & Plunger Assy. 1.5 GPM	301005-5



1.5 GPM 60k Short Block Intensifier
60k Short Block, Hi-Load

301003-5-3

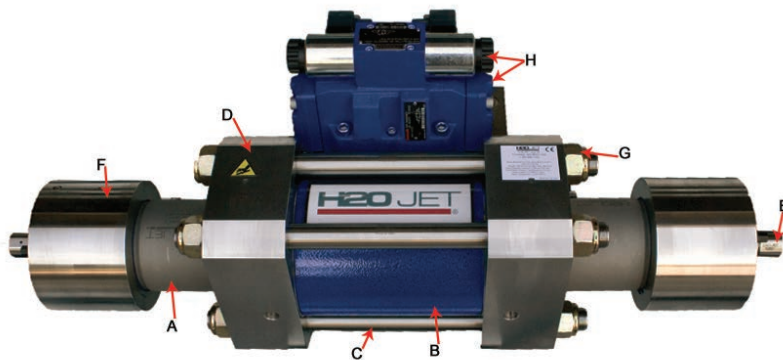
1.5 GPM 60k

Intensifier Parts Legend

A - High Pressure Cylinder 1.5 GPM	100001-3
B - Hydraulic Cylinder 94K/1.5GPM	190008-2
C - Tie Rod	100017-2
D - End Bell 60K Left	301001-3-L
D - End Bell 60K Right	301001-3-R
E - Check Valve Assy. 60K	301002-5
F - End Cap Assy.	301004-2
G - Hex Nut 3/4-16	400004-2
H - Electric Pilot Shift & Main Valve	301018-2

Parts (Not Shown)

Electric Shift Sensor Assy. 1.5 GPM	301011-4
Hi-Load Piston & Plunger Assy. 1.5 GPM	301005-5



1.5 GPM 60k Long Block Intensifier
60k Electric Shift, Hi-Load & Manifold

301020-12-3-HL

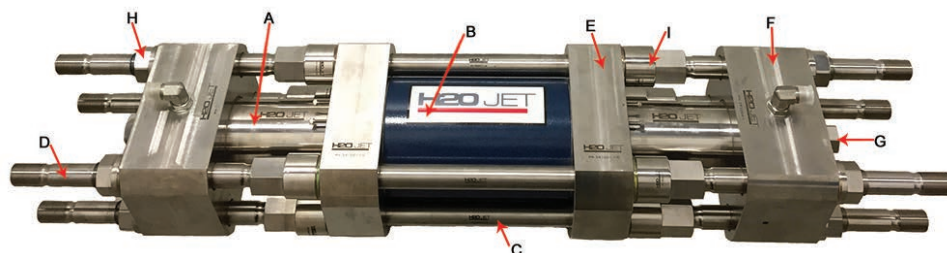
94K Short Block

Intensifier Parts Legend

A - High Pressure Cylinder	190001-1
B - Hydraulic Cylinder Short Block	190008-1
C - Tie Rod LP Short Block	190017-1
D - Tie Rod HP Section	190017-2
E - End Bell Short Block - Left	391001-1-L
E - End Bell Short Block - Right	391001-1-R
F - End Cap Assy.	391004-1
G - Check Valve Assy.	391002-1
H - Hex Nut	190017-5
I - Coupling Nut Tie Rod	190017-4

Parts (Not Shown)

Hi-Load Piston Assy. Short Block	391023-1
Backup Sleeve Assy.	391500-1
Pilot Valve Electric Shift	400054-1
Shift Sensor Assy.	301011-3



94k Short Block Intensifiers
94k Electric Shift, Hi-Load

391020-3-3

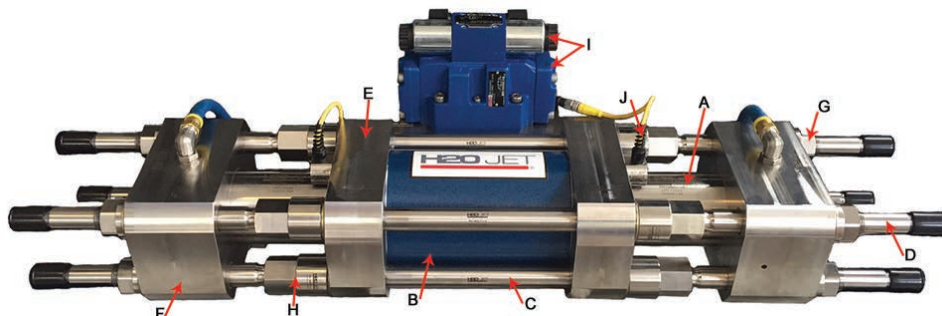
94K Long Block

Intensifier Parts Legend

A - High Pressure Cylinder	190001-1
B - Hydraulic Cylinder Long Block	190008-2
C - Tie Rod LP Long Block	190017-1-2
D - Tie Rod HP Section	190017-2
E - End Bell Long Block - Left	391001-2-L
E - End Bell Long Block - Right	391001-2-R
F - End Cap Assy.	391004-1
G - Hex Nut	190017-5
H - Coupling Nut Tie Rod	190017-4
I - Electric Pilot Shift & Main Valve	301018-2
J - Shift Sensor Assy.	301011-3

Parts (Not Shown)

Hi-Load Piston Assy. Long Block	391023-2
Backup Sleeve Assy.	391500-1
Check Valve Assy.	391002-1



94k Long Block Intensifier
94k Electric Shift, Hi-Load & Manifold

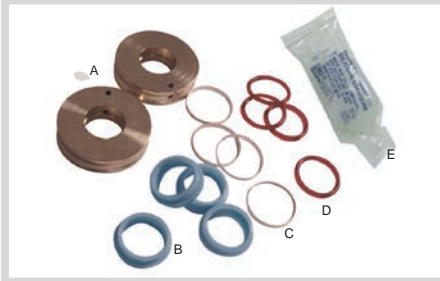
391020-4-3-HL



High Pressure Cylinder
HIGH PERFORMANCE
60K - 4.137 bar
40K - 2.758 bar

100001-1
100001-2

Replaces
007038-3
007038-2



High Pressure Seal Kit
60K - 4.137 bar
40K - 2.758 bar

302004-1
302004-2

Replaces
001198-1
001197-1

Includes:

- | | |
|-----------------------------------|--|
| A - 100021-1, Seal Buttress (60k) | C - 100054-1, Seal Hoop (60k) |
| A - 100021-2, Seal Buttress (40k) | C - 100054-2, Seal Hoop (40k) |
| B - 100053-1, HP Seal (60k) | D - 400042-119-80, O-Ring UHP Dark Red (60k) |
| B - 100053-2, HP Seal (40k) | D - 400042-122-80, O-Ring UHP Dark Red (40k) |
| | E - 400034-2, O-Ring Lubricant |



High Pressure Seal Kit JE
60K - 4.137 bar
40K - 2.758 bar

302004-1-J
302004-2-J

Includes:

- | | |
|-------------------------------|--|
| A - 100053-1, HP Seal (60k) | B - 100054-2, Seal Hoop (40k) |
| A - 100053-1, HP Seal (40k) | C - 400042-119-80, O-Ring UHP Dark Red (60k) |
| B - 100054-1, Seal Hoop (60k) | C - 400042-122-80, O-Ring UHP Dark Red (40k) |
| | D - 400034-2, O-Ring Lubricant |



Intensifier Upgrade Kit
60K - 4.137 bar
40K - 2.758 bar

302006-1
302006-2

Includes:

- | | | |
|--------------------------------------|--|--|
| A - 301023-1, High Load Piston (60k) | D - 100013-1, Ceramic Plunger (60k) | H - 302007-3, Hydraulic Seal Kit (60k) |
| A - 301023-2, High Load Piston (40k) | D - 100013-2, Ceramic Plunger (40k) | H - 302007-5, Hydraulic Seal Kit (40k) |
| B - 100014-1, End Bell Spacer (60k) | E - 100022-1, Check Valve Outlet (60k) | I - 400063-112, Snap Ring Internal (60k) |
| B - 100014-2, End Bell Spacer (40k) | E - 100022-2, Check Valve Outlet (40k) | I - 400053-131, Snap Ring Internal (40k) |
| C - 100011-1, Plunger Retainer (60k) | F - 302003-2, Check Valve Repair Kit | <u>Not Shown:</u> |
| C - 100011-2, Plunger Retainer (40k) | G - 302004-1, HP Seal Kit (60k) | 400049-300, Snap Ring 3" |
| | G - 302004-2, HP Seal Kit (40k) | |



Ceramic Piston Plunger *One Piece
60K - 4.137 bar
40K - 2.758 bar

100013-1
100013-2

Replaces
010253-1
013458-1



Backup Sleeve
60K - 4.137 bar
40K - 2.758 bar

100018-1
100018-2

Replaces
B-1002-2
B-6313-2



End Cap Assembly
60K & 40K

301004-1

Replaces
321276-1



Quick Disconnect
A- Water Inlet
B- Hose Barb

301019-1
301031-1

Replaces
B-83451
B-83461

301011-3
301011-3-A
301011-3-S

Electric Shift Sensor
Complete Assembly
(A) Actuator Assembly
(B) Housing & Cable Assembly



Replaces
A-18862

301018-2

Electronic Pilot Shift and Main Valve
Assembly



Replaces
A-10544

400054-1

Pilot Valve Electrical Shift
Dual Solenoid



Replaces
B-1702-1

100051-2

Firing Pin
Electronic



Replaces
C-5462-1
C-5461-1
C-1339-1
C-1331-1

301011-1-L
301011-1-R
301011-2-L
301011-2-R

Mechanical Cable Guide
Left Side Mount
Right Side Mount
Left Top Mount
Right Top Mount



301018-1

Mechanical Pilot Shift and Main Valve
Assembly



Replaces
C-2743-1

400055-1

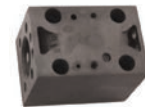
Main Shift Valve
Mechanical



Replaces
B-2498-1

400054-2

Pilot Valve
Mechanical



Replaces
B-1007-1

100019-1

Shift Plunger
Mechanical



Replaces
B-1611-1

100007-1

Cable Guide Split Pin
Mechanical



Replaces
A-1713

400056-1

Cable Guide Plunger Spring
Internal



Replaces
A-1012

400053-1

Cable Guide Plunger Spring
External



Replaces
002226-1

100051-1

Firing Pin
Mechanical





Check Valve Assembly

Featuring *H2O Jet 2 Piece Poppet

60K - 4.137 bar

301002-3

40K - 2.758 bar

301002-4



Check Valve Repair Kit *H2O Jet 2 Piece Poppet

60K & 40K

302003-2

Includes:

A - 100034-1, Poppet Seat
B - 100056-1, Retaining Screw
C - 100058-1, Inlet Poppet

D - 102007-1, Outlet Poppet
E - 102008-1, Spring Retainer
F - 301009-1, Inlet Poppet housing
G - 400043-125, O-Ring

H - 400130-1, Check Valve Spring
Not Shown:
400034-2, O-Ring Lubricant
400216-1, Loctite 242 Lubricant



Poppet Outlet Assembly *2 Piece

60K & 40K

301036-1



Check Valve Main Body

60K

100009-1

40K

100009-2

Replaces
004383-3
004383-2



Check Valve Outlet Body

60K & 40K * H2O JET Style

100022-2



Check Valve Assembly

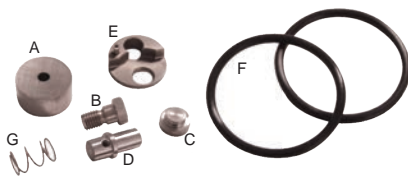
60K - 4.137 bar

301002-1

40K - 2.758 bar

301002-2

Replaces
010559-3
010559-2



Check Valve Repair Kit

60K & 40K

302003-1

Replaces
015866-1

Includes:

A - 100034-1, Poppet Seat
B - 100056-1, Retaining Screw
C - 100058-1, Inlet Poppet

D - 100057-1, Outlet Poppet
E - 301009-1, Inlet Poppet housing
F - 400043-125, O-Ring
G - 400045-1, Check Valve Spring



Check Valve Outlet Body

60K & 40K

100022-1

Replaces
C-1313-1



H2O Jet Check Valve Upgrade Kit

60K & 40K

302040-1

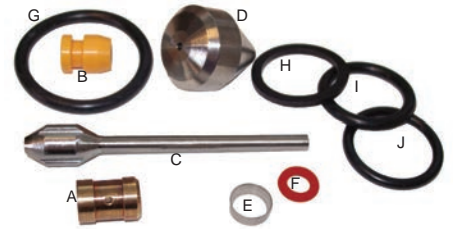
Includes:

A - 100034-1, Poppet Seat
B - 100056-1, Retaining Screw
C - 100058-1, Inlet Poppet
D - 102007-1, Outlet Poppet
E - 102008-1, Spring Retainer

F - 301009-1, Inlet Poppet housing
G - 400043-125, O-Ring
H - 400130-1, Check Valve Spring
I - 400034-2, O-Ring Lubricant
J - 100022-2, Outlet body - H2O Jet Style
Not Shown: 400216-1, Loctite 242 Lubricant

Replaces
004694-1 302008-1

**Hydraulic Auto Bleed Down
Repair Kit
40k & 60k**



Back-Up O-Ring, 400047-114 ~ J
Not Shown:
Poppet Install Tool, 400709-1
O-Ring Lubricant, 400034-2

Seal Hoop, 100085-1 ~ E
O-Ring, 400042-008 ~ F
O-Ring, 400043-114 ~ G
O-Ring, 400070-908 ~ H
O-Ring, 400070-912 ~ I

Includes:
Buttress, 100081-1 ~ A
Seal Poppet, 100082-1 ~ B
Poppet, 100083-2 ~ C
Poppet Landing, 100084-1 ~ D

301028-1

**Hydraulic Auto Bleed Down Assembly
with Catcher**



Replaces
C-5841-1 301013-1

**Hydraulic Auto Bleed Down
Valve Assembly**



Replaces
C-2740-1 301013-2

**Hydraulic Auto Bleed Down
1/2 of Valve Assembly**



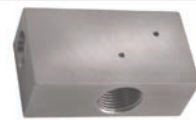
301015-2

**Hydraulic Auto Bleed Down
Catcher**



Replaces
005878-1 100087-1

**Hydraulic Auto Bleed Down
Catcher Body**



Replaces
B-8426-1 100130-1

**Hydraulic Bleed Down
Piston**



Replaces
B-8428-1 100131-1

**Hydraulic Bleed Down
Piston Insert**



400008-5

**Bleed Down Valve Adapter
3/8" x 1/2" JIC**



400083-1

**Bleed Down Valve
Carbide Disc**



400081-6

**Bleed Down Valve Catcher
SS Plug**



Replaces
A-4241 400033-1

**Bleed Down Valve Oil Seal
125 Shaft Dia SST**



Replaces
B-5975-1 100134-1

**Hydraulic Auto Bleed Down
Valve Adapter**



Replaces
B-8427-1 100132-1

**Hydraulic Auto Bleed Down
Valve Housing**



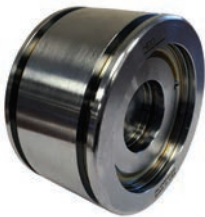


Hi-Load Piston Assembly

**H2O JET Design*

60K - 4.137 bar
40K - 2.758 bar

301023-1
301023-2



Hydraulic Piston Assembly *Flow Style

60K - 4.137 bar
40K - 2.758 bar

100010-1
100010-2

Replaces
007026-1
007201-1



Ring Kit

Hi-Load *H2O JET

302013-1



Hi-Load Hydraulic Seal Kit

60K - 4.137 bar
40K - 2.758 bar

302007-3
302007-5



Hydraulic Seal Kit *Flow Style

60K - 4.137 bar
40K - 2.758 bar

302007-1
302007-2

Replaces
010641-1



Hydraulic Seal Kit HO

60K - 4.137 bar
40K - 2.758 bar

302005-1
302005-2

Replaces
B-1163-1
B-1163-2



Hydraulic Cylinder

60K & 40K PSI

100008-1

Replaces
C-1000-1



Tie Rod

60K & 40K PSI

100017-1

Replaces
B-1000-2

Replaces
010253-1
013458-1

100013-1
100013-2

Ceramic Piston Plunger
60k
40k



301005-3
301005-4

Piston & Plunger Hi-Load Assembly
60k
40k



Replaces
010561-1
007202-1

301005-1
301005-2

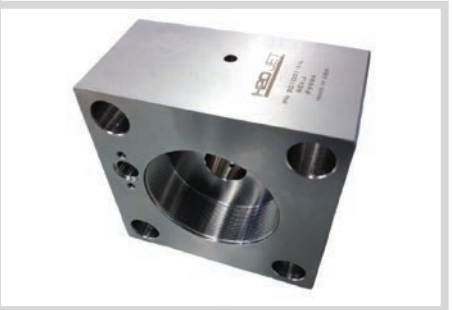
Piston & Plunger Assembly *Flow Style
60k
40k



Replaces
007303-2
007303-1
007304-2
007304-1

301001-1-L
301001-1-R
301001-2-L
301001-2-R

End Bell Assembly
Left 60k
Right 60k
Left 40k
Right 40k



Replaces
007029-1
007688-1

100011-1
100011-2

Plunger Retainer
60k
40k



Replaces
A-0264-112
A-0264-131

400063-112
400063-131

Internal Inverted End Bell Snap Ring
60k
40k



100014-1
100014-2

End Bell Spacer
60k
40k



Replaces
A-11275

400050-W-875-2
400050-W-1062-2

Rod Seal
60k
40k



Replaces
A-00251-18
A-00251-22

400051-18
400051-22

Rod T-Seal
60k
40k





High Pressure Cylinder
1.5 GPM 60k

100001-3



High Pressure Seal Kit
1.5 GPM 60k

302004-3

Includes:
A - 100021-3, HP Seal Buttress
B - 100053-3, HP Seal
C - 100054-3, Seal Hoop
D - 400034-2, O-Ring Lubricant
E - 400042-123-80, O-Ring UHP Dark Red



Check Valve Assembly
1.5 GPM 60k

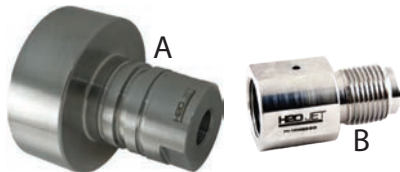
301002-5



Check Valve Repair Kit
1.5 GPM 60k

302003-4

Includes:
A - 100034-1, Poppet Seat
B - 100056-1, Screw Hex Head
C - 100058-1, Inlet Poppet
D - 102007-1, Outlet Poppet
E - 102008-1, Spring Retainer
F - 301009-3, Inlet Poppet housing
G - 400043-129, O-Ring
H - 400130-1, Check Valve Spring
I - 400034-2, O-Ring Lubricant
J - 400216-1, Loctite 242 Lubricant



Check Valve 1.5 GPM 60k
Main Body 1.5 GPM (A)
Outlet Body (B)

100009-3
100022-2



Backup Sleeve
1.5 GPM 60k

100018-3



Hydraulic Cylinder
1.5 GPM 60k & 94k Long Block

190008-2



Piston Assembly
1.5 GPM 60k Hi-Load

301023-3

392013-1

High Load Piston Seal Kit
1.5 GPM 60k



302007-6

Hydraulic Hi-Load Seal Kit
1.5 GPM
60k



301005-5

Piston & Plunger Assembly
1.5 GPM 60k Hi-Load



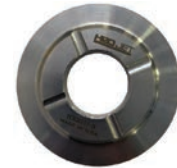
100013-3

Ceramic Piston Plunger
1.5 GPM 60k



100011-3

Plunger Retainer
1.5 GPM 60k



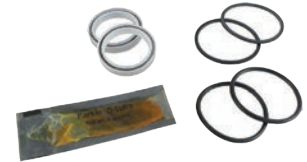
301055-1

Seal Cartridge Assembly
Rod Oil Seal 1.5 GPM 60k



302045-1

Cartridge Seal Kit
Rod Oil Seal 1.5 GPM 60k



301011-4
301011-4-A

Electric Shift Sensor
Complete Assembly
(A) Actuator Assembly



302018-4

Pump Service Tool Kit
1.5 GPM 60k

Lapping Kit, 302014-1 ~ H	<u>Includes:</u>
Jackbolt Lubricant, 400001-2 ~ I	Cylinder Wrench, 301027-2 ~ A
Spanner Wrench, 400025-2 ~ J	Assembly Bench, 391037-1 ~ B
<u>Not Shown:</u>	Shift Pin Tool, 301038-1 ~ C
Ring Compressor, 400131-1	Seal Cartridge Tool, 100251-1 ~ D
Tool Box, 400350-1	HP Seal Installation Kit, 302015-3 ~ E
Socket 1-5/8", 400802-1.625	Bleed Down Valve Tool, 302016-1 ~ F
Torque Multiplier, 400812-1	Blue Goop, 400001-1 ~ G





Extreme Pressure Cylinder
HIGH PERFORMANCE
94k

190001-1

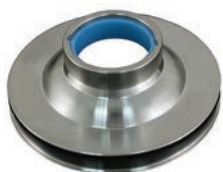
Replaces
020592-1



Ceramic Piston Plunger
94k

100013-1

Replaces
010253-1



HP Seal Cartridge
94k

391094-1



Backup Sleeve
94k

391500-1

Replaces
020595-1



End Cap
94k

391004-1

Replaces
014817-1



Coupling Nut
94k Tie Rod

190017-4

Replaces
014840-1



HP Tie Rod
Short & Long Block

190017-2

Replaces
014589-1



LP Tie Rod
94k Short Block
94k Long Block

190017-1
190017-1-2

Replaces
020078-1
011291-1



Nut
94k Tie Rod/End Cap

190017-5

Replaces
014597-1

Replaces
020080-1
011304-1

391023-1
391023-2

Hi-Load Piston Assembly
94k Short Block
94k Long Block



392013-1

Hi-Load Piston Seal Kit
94k Hi-Load 94k, 5"



392007-3

Hydraulic Seal Kit
94k Hi-Load



Replaces
013157-1

392007-1

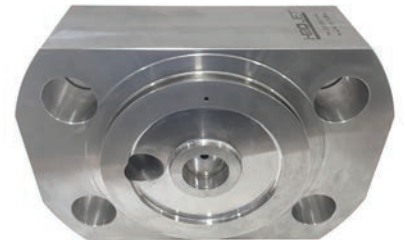
Hydraulic Seal Kit
94k Standard *Flow Piston



Replaces
020072-1
020074-1
011301-1
011300-1

391001-1-L
391001-1-R
391001-2-L
391001-2-R

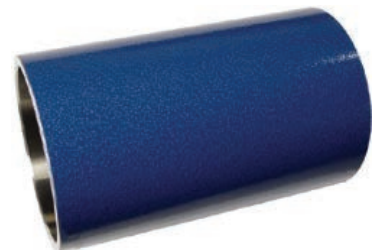
End Bell Assembly
94k Short Block (Left)
94k Short Block (Right)
94k Long Block (Left)
94k Long Block (Right)

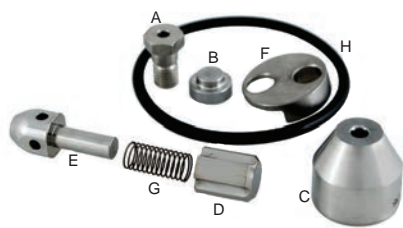


Replaces
019975-1
011291-1

190008-1
190008-2

Hydraulic Cylinder
94k Short Block
94k Long Block





Check Valve Repair Kit
94k

392003-2

Replaces
012035-1

Includes:

A ~ 100056-1, Check Valve Screw
B ~ 100058-1, Inlet Poppet
C ~ 190034-1, Poppet Seat

D ~ 192007-1, Outlet Poppet
E ~ 192008-1, Spring Retainer
F ~ 301009-1, Inlet Poppet Housing
G ~ 490045-1, Check Valve Spring

H ~ 490043-131, O-Ring
Not Shown:
400216-1, Loctite 242 Lubricant
400034-2, O-Ring Lubricant



Check Valve Assembly
94k

391002-1

Replaces
020071-1



Check Valve Main Body
94k

190009-1

Replaces
020077-1



Check Valve Outlet Body
94k

190022-1

Replaces
042101-1



Hydraulic Bleed Down Valve
94k Assembly

391013-1

Replaces
019309-1



Hydraulic Bleed Down Valve
94k Repair Kit

392008-1

Replaces
015084-1

Includes:

A ~ 190081-1, Guide Butress
B ~ 190081-2, Poppet Bearing
C ~ 190082-1, Poppet Seal

D ~ 190083-1, Poppet
E ~ 190084-1, Poppet Landing
F ~ 490042-010, O-Ring bleed down Red
G ~ 490043-212, O-Ring Actuator

H ~ 490047-212, O-Ring Backup Ring
Not Shown:
400034-2, O-Ring Lubricant
100104-1, Seal Ejection Tool



Hydraulic Bleed Down Valve
94k Body

190133-1

Replaces
011742-1

Replaces
042512-3

392500-1

Pressure Loading Tool Kit
94k



192018-1

End Bell Nut Coupler Tool
94k



Replaces
019623-1

392501-1

Mini Valve Seal Install Tool
60k & 94k



490118-1

Threading Die 1/4"
94k



392025-1

Cone, Thread & Bend Kit for 100k Tubing
C & T:(1/4",3/8",9/16") B:(1/4" & 3/8")

Includes:
392024-1, Threading Kit (100k)
302026-1, Coning Kit
302027-1, Bending Kit
400350-1, Tool Box



392018-3

Intensifier Service & Wrench Kit
94k

10" Extension Bar, 400807-1
Hex Key Set, 400808-1
Torque Wrench 1/2", 400809-2
Crowfoot 1-5/8", 400811-1.625
Torque Multiplier, 400812-1
Socket 1-1/2", 400813-1.5
Thread Die 1/4-24, 490118-1
Sun Programmer Module, 610037-1
Programmer Cable Interface, 610037-2

Silver Thread Lubricant, 400001-3
23" Intensifier Wrench, 400350-3
Wrench 5/15", 400801-312
Wrench 9/16", 400801-562
Wrench 7/8", 400801-875
Wrench 15/16", 400801-937
Wrench 1-1/4", 400801-1.250
Socket 1/1/4", 400802-1.25
Socket 1-5/8", 400802-1.625
Hammer 31lb, 400804-1
Retaining Ring Plier Set, 400805-1

Includes:
Assembly Bench, 391037-1
Shift Pin Tool, 301038-1
End Bell Nut Tool, 192018-1
Seal Installation Tool, 392501-1
Pressure Loading Tool, 392500-1
Blue Goop, 400001-1
Ring Compressor, 400131-1
Lapping Block Kit, 302014-1
Rod Oil Tool, 100240-1
Socket Adapter 1/2", 400806-2



392018-1

Intensifier Service Tool Kit
94k

Rod Oil Tool, 100240-1
Socket Adapter 1/2", 400806-2
Silver Thread Lubricant, 400001-3
Socket 1-5/8", 400802-1.625
Crowfoot 1-5/8", 400811-1.625
Torque Multiplier, 400812-1
Socket 1-1/2", 400813-1.5
Rod Oil Tool, 100240-1
Tool Box, 400350-1

Includes:
Assembly Bench, 391037-1
Shift Pin Tool, 301038-1
End Bell Nut Tool, 192018-1
Seal Installation Tool, 392501-1
Pressure Loading Tool, 392500-1
Blue Goop, 400001-1
Ring Compressor, 400131-1
Lapping Block Kit, 302014-1





Hi-Performance Air Actuator

N/C Assembly
N/O Assembly

301006-1
301006-2

Replaces
001323-1



Ultra II Air Actuator

N/C Assembly
N/O Assembly

301006-4
301006-5

Replaces
003840-1



Valve Body

Hi-Performance
Legacy Threaded

100048-1
100048-2

Replaces
006143-1



Valve Body

Ultra II

100048-3

Replaces
010104-1



HP Collar

Block

100040-1

Replaces
006144-1



HP Collar

Round

100040-2



HP Collar

Round 3 Bolt

100040-4

Replaces
002895-1

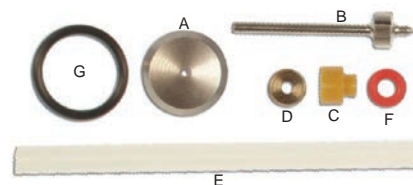
Replaces
001959-1

302001-1

On/Off Valve Repair Kit
High Performance

Seal Ejection Tool, 100104-1 ~ E
Seal O-Ring Dark Red, 400042-006 ~ F
O-Ring, 400043-014 ~ G
Not Shown:
O-Ring Lubricant, 400034-2

Includes:
Poppet Landing, 100059-1 ~ A
Poppet, 100060-1 ~ B
Poppet Seal, 100061-1 ~ C
Seal Butress, 100062-1 ~ D

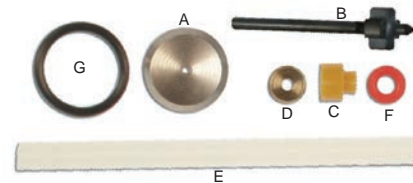


302001-1-2

On/Off Valve Repair Kit Extended Life
High Performance

Seal Ejection Tool, 100104-1 ~ E
Seal O-Ring Dark Red, 400042-006 ~ F
O-Ring, 400043-014 ~ G
Not Shown:
O-Ring Lubricant, 400034-2

Includes:
Poppet Landing, 100059-1 ~ A
Extended Life Poppet, 100060-1-2 ~ B
Poppet Seal, 100061-1 ~ C
Seal Butress, 100062-1 ~ D



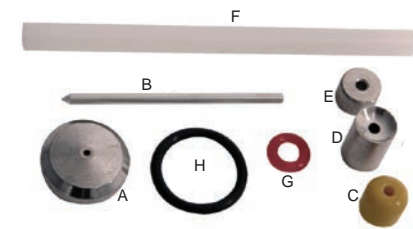
Replaces
010200-1

302001-2

On/Off Valve Repair Kit
Ultra II

Seal Ejection Tool, 100104-1 ~ F
Seal O-Ring Dark Red, 400042-007 ~ G
O-Ring, 400043-014 ~ H
Not Shown:
O-Ring Lubricant, 400034-2

Includes:
Poppet Landing, 100059-1 ~ A
Poppet, 100152-1 ~ B
Poppet Seal, 100061-2 ~ C
Seal Butress, 100151-1 ~ D
Poppet Guide, 100150-1 ~ E

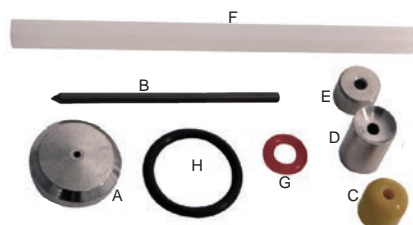


302001-2-2

On/Off Valve Repair Kit Extended Life
Ultra II

Seal Ejection Tool, 100104-1 ~ F
Seal O-Ring Dark Red, 400042-007 ~ G
O-Ring, 400043-014 ~ H
Not Shown:
O-Ring Lubricant, 400034-2

Includes:
Poppet Landing, 100059-1 ~ A
Extended Life Poppet, 100152-1-2 ~ B
Poppet Seal, 100061-2 ~ C
Seal Butress, 100151-1 ~ D
Poppet Guide, 100150-1 ~ E

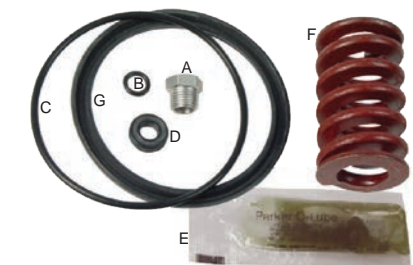


302017-1

Air Actuator Repair Kit
High Performance & Ultra II

O-Ring, 400043-4-202 ~ D
O-Ring Lubricant, 400034-1 ~ E
Hi-Performance Spring ~ F
U-CAP EF Coated ~ G

Includes:
Breather Vent, 400066-1 ~ A
Air Actuator O-Ring, 400043-010 ~ B
O-Ring, 400043-147 ~ C



Replaces
A-0857-1

400066-1

Breather Vent
1/8 NPT M, 2CFM, 7/16 H



400064-1

Air Hose Fitting
1/8" M



301008-1

Valve Seal Retainer Insert
High Performance



Replaces
004096-1

301008-2

Valve Seal Retainer Insert
Ultra II





Mini On/Off Valve Assembly
60k N/C
60k N/C Without Nozzle Body

301007-12
301007-13

Replaces
710870-1



Mini Air Actuator
60k N/C

301006-6

Replaces
710875-1



Mini Collar Block
60k

100040-3

Replaces
710868-1



Mini Valve Nozzle Body
60k Mini Valve to IDE™

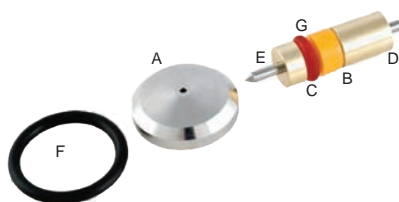
100026-6



Mini Valve Body
60k

100048-4

Replaces
710866-1



Mini On/Off Valve Repair Kit
60k

302001-3

Replaces
711484-1

Includes:

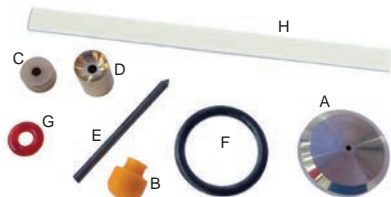
- A - 100059-2, Poppet Landing
- B - 100061-3, Poppet Seal
- C - 100150-2, Poppet Guide
- D - 100151-3, Backup Ring

E - 100152-2, Poppet

- F - 400043-014, Landing O-Ring
- G - 490042-005, O-Ring Red

Not Shown:

- 400034-2, Food Grade Lubricant



Mini On/Off Valve Repair Kit Extended Life
60k

302001-3-2

Includes:

- A - 100059-2, Poppet Landing
- B - 100061-3, Poppet Seal
- C - 100150-2, Poppet Guide
- D - 100151-3, Backup Ring

E - 100152-2-2, Extended Life Poppet

- F - 400043-014, Landing O-Ring
- G - 490042-005, O-Ring Red

H - 100104-2, Seal Ejection Tool

- Not Shown: 400034-2, Food Grade Lubricant



Mini Valve Seal Install Tool
60k & 94k

392501-1

Replaces
019623-1

**Mini Air Actuator
Repair Kit**

302017-3

Replaces
014660-1

391007-1
391007-2
391007-3

Advantage EP 94k Mini Valve Assembly
w/Standard Nozzle Body
w/Water Only Nozzle Body & Nut
w/Standard Water Only Nozzle Body & Nut



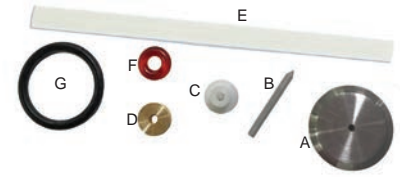
Replaces
014988-1

392001-1

Advantage EP On/Off Valve Kit
*Flow Universal Valve (60k-94k) Compatible
94k

Seal Ejection Tool, 190104-1 ~ E
Seal O-Ring Red, 490042-005 ~ F
O-Ring, 400043-014 ~ G
Not Shown:
Food Grade Lubricant, 400034-2

Includes:
Poppet Landing, 190059-1 ~ A
Poppet, 190060-1 ~ B
Poppet Seal, 190061-1 ~ C
Seal Butress, 190062-1 ~ D



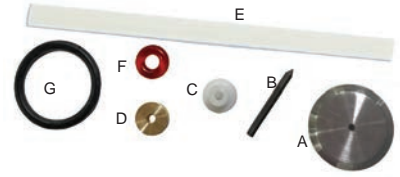
Replaces
014988-1

392001-1-2

Advantage EP On/Off Valve Kit Extended Life
*Flow Universal Valve (60k-94k) Compatible
94k

Seal Ejection Tool, 190104-1 ~ E
Seal O-Ring Red, 490042-005 ~ F
O-Ring, 400043-014 ~ G
Not Shown:
Food Grade Lubricant, 400034-2

Includes:
Poppet Landing, 190059-1 ~ A
Extended Life Poppet, 190060-1-2 ~ B
Poppet Seal, 190061-1 ~ C
Seal Butress, 190062-1 ~ D



Replaces
014559-1

391006-1

Advantage EP Mini Air Actuator
94k N/C Assembly



392017-3

Advantage EP Mini Air Actuator
Repair Kit

Replaces
019519-1

190026-1

Advantage EP Nozzle Body
94k Standard



Replaces
041154-1

190026-4

Advantage EP Nozzle Body
94k Water Only



Replaces
014554-1

190048-1

Advantage EP Valve Body
94k



Replaces
710849-1

190026-3

Advantage EP Gland Nut
94k



Replaces
710869-1

190026-2

Advantage EP Collar
94k





High Performance On/Off Valve Assemblies

Hi-Performance Nozzle Body w/Short Stop Filter	301007-1 301007-1-SSF
Low Mass Nozzle Body w/Short Shop Filter	301007-2 301007-2-SSF
Hi-Velocity P-III Nozzle Body w/Short Stop Filter	301007-3 301007-3-SSF
Hi-Velocity Extended P-III Nozzle Body w/Short Stop Filter	301007-3-X 301007-3-X-SSF
Adjustable P-III Nozzle Body w/Short Stop Filter	301007-9 301007-9-SSF



Ultra II On/Off Valve Assemblies

Hi-Performance Nozzle Body w/Short Stop Filter	301007-7 301007-7-SSF
Low Mass Nozzle Body w/Short Shop Filter	301007-10 301007-10-SSF
Hi-Velocity P-III Nozzle Body w/Short Stop Filter	301007-8 301007-8-SSF

*To order your On/Off Valve Assembly with the 3 hole round collar block (100040-4) Please add a -4 to your part#.
(Example: 301007-7-4 or 301007-7-4-SSF)

Take Your Cutting Head to the Next Level with the

IDE™



The H2O JET Integral Diamond Eductor III consistently demonstrates superior performance and reduces operating cost when compared to competitive brand abrasive cutting heads.

- ◆ Up to 50% faster cutting - No lost time due to constant orifice replacement
- ◆ From 10 to 20 times greater service life
- ◆ Superior edge quality



- ◆ **Dead-On Alignment**
The diamond orifice is imbedded, thus integral to the mixing chamber. The jet stream is precisely directed through the abrasive nozzle eliminating misalignment, over-torquing and stack up errors.

- ◆ **Revolutionary Mixing Chamber Design**
H2O JET has redefined the concept of the “mixing chamber” with our coalescing plenum. The advanced coalescing plenum provides a more effective and more efficient abrasive feed. The result is **no maintenance** on the cutting head, maximum cutting power and ultimate performance.

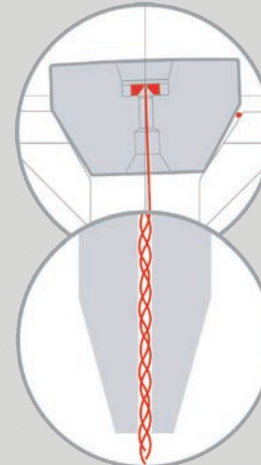


- ◆ **Faster Cutting Speed**
Precise alignment of the diamond orifice with the mixing tube allows maximum power to be delivered to the cutting surface. This extends the nozzle life and increases the cutting speed. **H2O JET guarantees every Integral Diamond Eductor III for a minimum of *500 hours.** (*500 hours or 4 months from ship date when used with Short Stop Filter)
- ◆ **Reduced Operating Cost**
The integral diamond orifice reduces operating costs with faster cutting, extended nozzle life and dramatically reduced downtime. The H2O JET Integral Diamond Eductor III has demonstrated 1000+ cutting hours in the field for many applications.



H2O JET Diamond Orifice

The H2O JET Diamond orifice is integral to the cutting head and factory aligned for life. The result is up to 50% faster cutting speed and from 10 to 20 times greater service life.



Mis-aligned Design

This illustration of a competitive, mis-aligned design mount shows that debris as small as a single garnet particle can cause 0.025” jet stream mis-alignment resulting in premature mixing tube wear and decreased cutting speed and performance



Integral Diamond Eductor

IDE™ III Single Port

.281" ID 301329-1-xx

IDE™ III Single Port with Short Stop Filter

.281" ID 301329-1-xx-SSF

(xx denotes orifice size: .004=04, .013=13)



Integral Diamond Eductor

IDE™ III Dual Port

.281" ID 301329-2-xx

IDE™ III Dual Port with Short Stop Filter

.281" ID 301329-2-xx-SSF

(xx denotes orifice size: .004=04, .013=13)



IDE™ III Cutting Head

High Velocity P-III Body

Single Port 301324-1-3-xx

Single Port w/Short Stop Filter 301324-1-3-xx-SSF

Dual Port 301324-2-3-xx

Dual Port w/Short Stop Filter 301324-2-3-xx-SSF

Adjustable High Velocity P-III Body

Single Port 301324-1-9-xx

Single Port w/Short Stop Filter 301324-1-9-xx-SSF

Dual Port 301324-2-9-xx

Dual Port w/Short Stop Filter 301324-2-9-xx-SSF

Extended High Velocity P-III Body

Single Port 301324-1-X-xx

Single Port w/Short Stop Filter 301324-1-X-xx-SSF

Dual Port 301324-2-X-xx

Dual Port w/Short Stop Filter 301324-2-X-xx-SSF

(xx denotes orifice size: .004=04, .013=13)

94k Integral Diamond Eductor IDE™
 *Flow Dynamic Compatible

391130-1-xx
 391130-1-xx-SSF

.281" ID
 w/Short Stop Filter



(xx denotes orifice size: .004=04, .013=13)

190172-1

94k IDE™ Clamp Nut Replacement



391035-1

IDE™ Abrasive Inlet Tube Replacement

190172-2

94k Clamp Nut Adapter Contour Follower



391026-3

94k Short Stop Filter Assembly
 1/4" F x 1/4" M



391124-1-xx

94k Advantage EP IDE™ Cutting Head Assembly

(xx denotes orifice size: .010=10, .015=15)





IDE™ III Retaining Collet
.281" ID

100171-281



Clamp Nut
IDE™ III

100172-1



Abrasive Inlet Tube
IDE™ III

391035-1



Splash Guard
IDE™ III

400222-1



IDE™ III Dynamic Contour Follower Option
P-V to H2O Adapter

100167-2



JE to IDE™ III
Adapter

100205-1



Maxjet 5 to IDE™ III
Adapter (Tilt-a-Jet Only)

301200-1



Maxjet 5 to IDE™ III
Adapter (Non Tilt-a-Jet)

301200-2



OM Air Valve to IDE™ III
Adapter

301033-1



KMT to IDE™ III
Adapter

301034-1

301026-3 **Short Stop Filter W/Adapter Assembly**
1/4" F x 3/8" M



301026-1 **Short Stop Filter Assembly**
Coned Insert 3/8"



301026-2 **Short Stop Filter Assembly**
3/8" F x 3/8" M



301026-4 **Short Stop Filter Body**
w/Insert, 1/4" F x 3/8" M
301026-6 w/Insert, 1/4" F x 1/4" M



100192-1 **Short Stop Adapter Insert** 3/8"
100192-2 1/4"
190192-1 94k, 1/4"



400096-1 **Short Stop Filter (40k, 60k & 94k)**
.006"



100157-1 **Short Stop Adapter Body** 3/8" F x 3/8" M
100157-2 1/4" F x 3/8" M
190157-2 94k, 1/4" F x 1/4" M



391026-3 **94k Short Stop Filter Assembly**
1/4" F x 1/4" M



301010-1 **Inline Filter Assembly** 1/4"
301010-2 3/8"
400240-3-65 9/16"



Replaces 000806-1 100063-1 **Inline Filter Housing**



Replaces B1313-1 400052-1 **Inline Filter Screen** 1/4" & 3/8"
400241-3-65 9/16"





The Edge™ Cutting Head
w/Removable P-III
(Includes one P-III Ruby .010- .014 orifice Sizes)

301050-1-xx



P-III
Nozzle Nut

100036-1

Replaces
B-2861-1



Hi-Performance
Nozzle Nut

100038-1

Replaces
B-5330-1



Low Mass
Nozzle Nut

100039-1

Replaces
006146-1



Nozzle Body Upgrade Kit
Low Mass to H2O Hi-Performance

302009-1



Adjustable P-III Nozzle Body
Assembly 4.33"
Nozzle Body
Collar
Gland Nut

301099-1
100027-1
100027-2
100027-3



P-III Nozzle Body
Hi-Velocity 4.33"
Extended, Hi-Velocity 6.59"

100026-3
100026-4

Replaces
001195-1



Hi-Performance Nozzle Body
Water Only 5.5"

100037-1



Low Mass Nozzle Body
Water Only 5.5"

100046-1

Replaces
006145-1



Mini Valve Nozzle Body
60k Mini Valve to IDE™

100026-6

H2O / Flow Style Focusing Tubes

Replaces	<u>.281" OD / 7.14 mm OD</u>	<u>RocTec 100 Material</u>
	.020"ID, 3" long/0.51mm ID, 76mm long	100100-20-3
	.020"ID, 4" long/0.51mm ID, 102mm long	100100-20-4
012680-30-30	.030"ID, 3" long/0.76mm ID, 76mm long	100100-30-3
012680-30-40	.030"ID, 4" long/0.76mm ID, 102mm long	100100-30-4
012680-35-30	.035"ID, 3" long/0.90mm ID, 76mm long	100100-35-3
012680-40-30	.040"ID, 3" long/1.02mm ID, 76mm long	100100-40-3
012680-40-40	.040"ID, 4" long/1.02mm ID, 102mm long	100100-40-4
012680-50-30	.050"ID, 3" long/1.27mm ID, 76mm long *Special Order	100100-50-3
012680-50-40	.050"ID, 4" long/1.27mm ID, 102mm long *Special Order	100100-50-4

	<u>.281" OD / 7.14 mm OD</u>	<u>RocTec 500 Material</u>
010460-20-30	.020"ID, 3" long/0.51mm ID, 76mm long	100100-20-3-500
010460-20-40	.020"ID, 4" long/0.51mm ID, 102mm long	100100-20-4-500
010460-30-30	.030"ID, 3" long/0.76mm ID, 76mm long	100100-30-3-500
010460-30-40	.030"ID, 4" long/0.76mm ID, 102mm long	100100-30-4-500
010460-40-30	.040"ID, 3" long/1.02mm ID, 76mm long	100100-40-3-500
010460-40-40	.040"ID, 4" long/1.02mm ID, 102mm long	100100-40-4-500
010460-50-40	.060"ID, 4" long/1.52mm ID, 102mm long *Special Order	100100-60-4-500

Flow Style Focusing Tubes with Inlet Ring & Washer

Replaces	<u>.281" OD / 7.14 mm OD</u>	<u>RocTec 100 Material</u>
014214-30-30	.030"ID, 3" long/0.76mm ID, 76mm long	100300-30-3
014214-30-40	.030"ID, 4" long/0.76mm ID, 102mm long	100300-30-4
014214-40-30	.040"ID, 3" long/1.02mm ID, 76mm long	100300-40-3
014214-40-40	.040"ID, 4" long/1.02mm ID, 102mm long	100300-40-4
014214-50-30	.050"ID, 3" long/1.27mm ID, 76mm long *Special Order	100300-50-3
014214-50-40	.050"ID, 4" long/1.27mm ID, 102mm long *Special Order	100300-50-4

	<u>.281" OD / 7.14 mm OD</u>	<u>RocTec 500 Material</u>
014194-30-30	.030"ID, 3" long/0.76mm ID, 76mm long	100300-30-3-500
014194-30-40	.030"ID, 4" long/0.76mm ID, 102mm long	100300-30-4-500
014194-40-30	.040"ID, 3" long/1.02mm ID, 76mm long	100300-40-3-500
014194-40-40	.040"ID, 4" long/1.02mm ID, 102mm long	100300-40-4-500
014194-50-40	.050"ID, 4" long/1.27mm ID, 102mm long *Special Order	100300-50-4-500

JE Style Focusing Tubes

	<u>.250" OD / 6.35 mm OD</u>	<u>RocTec 100 Material</u>
30647, 36937	.030"ID, 3" long/0.76mm ID, 76mm long	100101-30-3
30648, 101159	.040"ID, 3" long/1.02mm ID, 76mm long	100101-40-3
30649, 36769	.045"ID, 3" long/1.15mm ID, 76mm long	100101-45-3

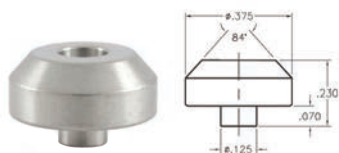
	<u>.250" OD / 6.35 mm OD</u>	<u>RocTec 500 Material</u>
104498	.040"ID, 3" long/1.02mm ID, 76mm long	100101-30-3-500

KMT Style Focusing Tubes

	<u>.371" OD / 9.42 mm OD</u>	<u>RocTec 100 Material</u>
10126969	.030"ID, 3" long/0.76mm ID, 76mm long	100102-30-3
10126928	.040"ID, 3" long/1.02mm ID, 76mm long	100102-40-3



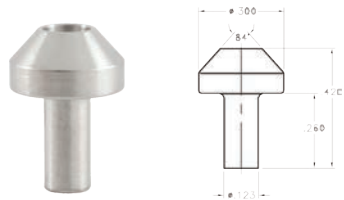
* Please Call to inquire about Special Order sizes



Standard Nozzle Assembly
Diamond
Sapphire

201101-xx
202101-xx

Replaces
004519-xx



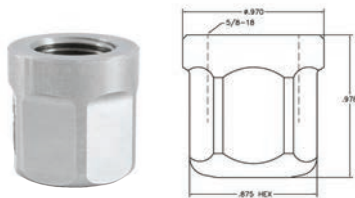
LM-II-L Nozzle Assembly
Diamond
Sapphire

201201-xx
202201-xx



IDNN-LM (Integral Diamond Nozzle Nut)
Diamond

201203-xx



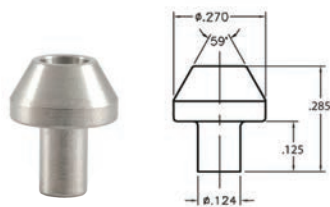
IDNN-HP (Integral Diamond Nozzle Nut)
Diamond

201204-xx



LS-I Nozzle Assembly
Diamond
Sapphire

201401-xx
202401-xx



LS-II Nozzle Assembly
Diamond
Sapphire

201402-xx
202402-xx

The (-xx) represents the orifice size. For example if you need a .004" then replace the -xx with -04, a 0.13" with a -13 etc. The H2O JET orifices are manufactured for specific uses; Sapphires are designed for Water Only & Rubies are designed for Abrasive Only.

*Diamonds are warranted to last a minimum of 500 hours, provided the user follows the H2O JET warranty requirements.

Replaces
009519-xx
012469-xx

P-III Nozzle Assembly
201501-xx
203501-xx

Diamond
Ruby

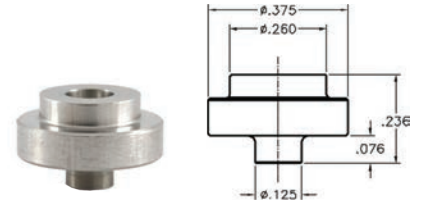


Replaces
D-5070-xx

001821-xx

P-II-Step Nozzle Assembly
201601-xx
202601-xx
203601-xx

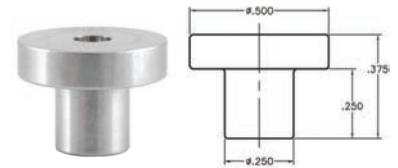
Diamond
Sapphire
Ruby



Replaces
100158-xxx
100159-xxx

JE P-II T-Mount Nozzle Assembly
201920-xx
203920-xx

Diamond
Ruby



Replaces
014155-xx
014201-xx

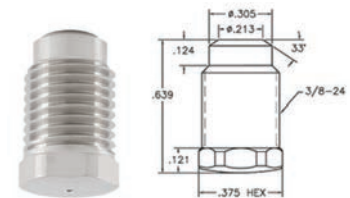
P-V Nozzle Assembly (ECL)
201940-xx
203940-xx

Diamond
Ruby



BLAST Nozzle Assembly
203950-xx

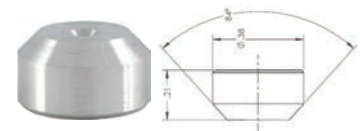
Ruby



Replaces
015849-xx
041759-xx

Advantage EP P-IV 94K Nozzle Assembly
291502-xx
293101-xx

Diamond
Ruby



The (-xx) represents the orifice size. For example if you need a .004" then replace the -xx with -04, a 0.13" with a -13 etc. The H2O JET orifices are manufactured for specific uses; Sapphires are designed for Water Only & Rubies are designed for Abrasive Only.

*Diamonds are warrantied to last a minimum of 500 hours, provided the user follows the H2O JET warranty requirements.

WATER FLOW RATE in Gallons per Minute (GPM) as a function of Pressure (PSI) and Orifice Size

Water Flow Rate Chart

Pressure PSI	Orifice Size									
	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.011	0.012
30,000	0.03	0.06	0.09	0.13	0.18	0.23	0.29	0.36	0.44	0.52
35,000	0.04	0.06	0.10	0.14	0.19	0.25	0.32	0.39	0.47	0.56
40,000	0.04	0.07	0.10	0.15	0.20	0.27	0.34	0.42	0.51	0.60
45,000	0.04	0.07	0.11	0.16	0.22	0.28	0.36	0.44	0.54	0.64
50,000	0.04	0.08	0.12	0.17	0.23	0.30	0.38	0.47	0.56	0.67
55,000	0.04	0.08	0.12	0.18	0.24	0.31	0.40	0.49	0.59	0.70
60,000	0.05	0.08	0.13	0.18	0.25	0.33	0.41	0.51	0.62	0.74

Pressure PSI	Orifice Size										
	0.013	0.014	0.015	0.016	0.017	0.018	0.019	0.020	0.021	0.022	0.023
30,000	0.61	0.71	0.81	0.93	1.04	1.17	1.30	1.44	1.57	1.74	1.91
35,000	0.66	0.77	0.88	1.00	1.12	1.26	1.40	1.56	1.72	1.88	2.06
40,000	0.71	0.82	0.94	1.06	1.20	1.35	1.50	1.66	1.84	2.01	2.20
45,000	0.75	0.87	1.00	1.13	1.27	1.43	1.59	1.77	1.95	2.14	2.34
50,000	0.79	0.91	1.04	1.19	1.34	1.51	1.68	1.86	2.05	2.25	2.46
55,000	0.83	0.96	1.10	1.25	1.41	1.58	0.18	1.95	2.15	2.36	2.58
60,000	0.86	1.00	1.15	1.31	1.48	1.66	1.85	2.04	2.25	2.47	2.70

Pressure PSI	Orifice Size									
	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.011	0.012
75,000	0.05	0.09	0.14	0.21	0.28	0.37	0.46	0.55	0.69	0.82
80,000	0.05	0.09	0.15	0.21	0.29	0.38	0.48	0.57	0.71	0.85
85,000	0.06	0.10	0.15	0.22	0.30	0.39	0.49	0.59	0.74	0.88

Pressure PSI	Orifice Size		
	0.013	0.014	0.015
75,000	0.97	1.12	1.29
80,000	1.00	1.16	1.33
85,000	1.03	1.19	1.37

Pump Capacities*

Pump Capacities*	GPM 60000	Max Orifice	GPM 94000	Max Orifice
10HP	0.24	0.007	-	
15HP	0.31	0.008	-	
30HP	0.60	0.010	-	
50HP	1.00	0.014	0.63	0.010
100HP	2.00	0.020	1.365	0.015
75HP EF	1.50	0.017		
150HP EF	3.00	0.024		

*Pump will not be able to stroke fast enough to maintain pressure for larger orifices.

400023-1-1S
400023-1-10S

Filter Cartridge 10" 222/Flat Cap Style
1 Micron
10 Micron



Replaces
A-1555
A-1453

400023-1-1
400023-1-10

Filter Cartridge 10"
1 Micron
10 Micron



Replaces
A-1555
A-1449

400023-1-1P
400023-1-45P

Filter Cartridge 10" Pleated
1 Micron
.45 Micron



Replaces
A-00562-2
A-00562-1

400023-20-1P
400023-20-45P

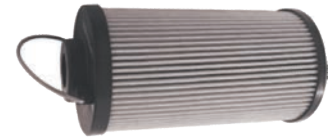
Filter Cartridge 20"
1 Micron
.45 Micron



Replaces
A-5480

400035-1

Hydraulic Return Filter
9X



606210-6-F
606210-9-F

Oil Filter Cartridge
10-50hp Pump, 6" 10 Micron
100hp Pump, 9" 10 Micron



Replaces
A-9081

400041-1

Filter Element
20X



606199-20-9

Filter Element
20 Micron (100hp)



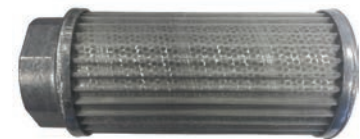
606199-20

Filter Element
20 Micron (50hp)



606115-40

Strainer Tank Filter
2.50NPT



606115-20

Strainer Tank Filter
1.25NPT





Coning Threading & Bending Kit for HP Tubing 1/4" 3/8" 9/16"

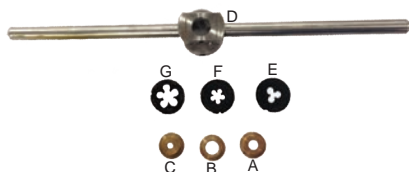
(*Bending kit is for 1/4" & 3/8" only.)

Complete Kit
94k Complete Kit

302025-1
392025-1

Standard Kit Includes:
302024-1, Threading Kit
302026-1, Coning Kit
302027-1, Bending Kit
400350-1, Tool Box

94k Kit Includes:
392024-1, Threading Kit (94k)
302026-1, Coning Kit
302027-1, Bending Kit
400350-1, Tool Box



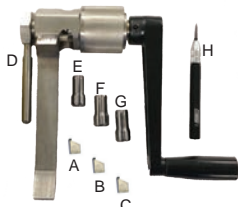
Threading Kit 1/4" 3/8" 9/16"
94k - 1/4" 3/8" 9/16"

302024-1
392024-1

Includes:
A - 100280-1, 1/4" Bushing
B - 100280-2, 3/8" Bushing
C - 100280-3, 9/16" Bushing

D - Threading Hand Tool
E - 400118-1, 1/4" Die
F - 490118-1, 1/4" Die (94k)
G - 400118-2, 3/8" Die

G - 400118-3, 9/16" Die
Not Shown:
400120-1, Cone & Thread Oil



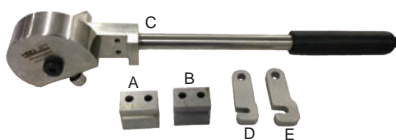
Coning Kit 1/4" 3/8" 9/16"

302026-1

Includes:
A - 400029-2, 1/4" Blade
B - 400029-3, 3/8" Blade
C - 400029-4, 9/16" Blade

D - Coning Hand Tool
E - 400029-5, 1/4" Collet
F - 400029-6, 3/8" Collet
G - 400029-7, 9/16" Collet

H - 400029-8, Deburring Tool
Not Shown:
400120-1, Cone & Thread Oil



Bending Kit 1/4" 3/8"

302027-1

Includes:
A - 100281-1, 1/4" Tube Holder
B - 100281-2, 3/8" Tube Holder

C - Bending Hand Tool
D - 100282-1, 1/4" Bending Guide
E - 100282-2, 3/8" Bending Guide

Not Shown:
400085-25-20-1.75, Socket Head Screw
400087-25, Flat Washer



Power Coning Tool H2O Jet

1/4"
3/8"
9/16"
Power Coning Kit (1/4", 3/8" & 9/16")

301064-1
301064-2
301064-3
302026-3



Power Threading Tool H2O Jet

1/4"
3/8"
9/16"
Power Threading Kit (1/4", 3/8" & 9/16")

301063-1
301063-2
301063-3
302024-3



Replacement Threading Die

1/4"
94k - 1/4"
3/8"
9/16"

400118-1
490118-1
400118-2
400118-3



Replacement Coning Bit

1/4"
3/8"
9/16"

400136-1
400136-2
400136-3



Deburring Tool

Tool
Replacement Blade

400029-8
400029-9

Pump Service Tool Kit

- 302018-1 60k
- 302018-1-2 60k w/Programmer
- 302018-2 40k
- 302018-2-2 40k w/Programmer
- 302018-4 *See Pg10 for details EF 75hp - 150hp
- 302018-4-2 *See Pg10 for details EF 75hp-150hp w/Programmer
- 392018-1 *See Pg.14 for details 94k

40k 302018-2 Kits Includes:	60k 302018-1 Kits Includes:
HP Cylinder Wrench, 301027-1 ~ A	HP Cylinder Wrench, 301027-1 ~ A
Assembly Bench, 301037-1 ~ B	Assembly Bench, 301037-1 ~ B
Shift Pin Tool, 301038-1 ~ C	Shift Pin Tool, 301038-1 ~ C
Torque Tool, 302015-1 ~ D	Torque Tool, 302015-1 ~ D
HP Seal Installation Kit, 302015-2 ~ E	HP Seal Installation Kit, 302015-1 ~ E
Bleed Down Valve Tool, 302016-1 ~ F	Bleed Down Valve Tool, 302016-1 ~ F
Blue Goop, 400001-1 ~ G	Blue Goop, 400001-1 ~ G
Spanner Wrench, 400025-1 ~ H	Spanner Wrench, 400025-1 ~ H
Ring Compressor, 400131-1 ~ I	Ring Compressor, 400131-1 ~ I
Granite Lapping Block, 400026-1 ~ J	Granite Lapping Block, 400026-1 ~ J
Lapping Abrasive 320 Grit, 400026-320-5 ~ K	Lapping Abrasive 320 Grit, 400026-320-5 ~ K
Lapping Abrasive 500 Grit, 400026-600-5 ~ L	Lapping Abrasive 500 Grit, 400026-600-5 ~ L
	Rod Oil Tool, 100240-1 ~ M



Intensifier Wrench Tool Kit

- 302018-3 60k & 40k
- 392018-3 *See Pg.14 for details 94k

40k 302018-3 Kits Includes:	60k & 40K Kits Includes:
Socket 15/16", 400802-.937	Spanner Wrench, 400025-1
Socket 1-1/16", 400802-1.062	23" Intensifier Wrench, 400350-3
Socket 3/16" Hex, 400803-.312	Wrench 5/15", 400801-.312
Socket 5/16" Hex, 400803-.312	Wrench 9/16", 400801-.562
Hammer 31lb, 400804-1	Wrench 13/16", 400801-.812
Retaining Ring Plier Set, 400805-1	Wrench 7/8", 400801-.875
Socket Adapter 1/2", 400806-1	Wrench 1", 400801-1.000
10" Extension Bar, 400807-1	Wrench 1-1/16", 400801-1.062
Hex Key Set, 400808-1	Wrench 1-1/4", 400801-1.250
Torque Wrench 1/4", 400809-1	Wrench 1-1/2", 400801-1.500
Hook & Pick Set, 400810-1	



Sun Programmer Handheld

- 610037-1 Module
- 610037-2 Cable Interface



HP Seal Installation Tool Kit

- 302015-1 60k
- 302015-2 40k
- 302015-3 EF 75hp-150hp - 60k



Replaces
019623-1

Mini Valve Seal Install Tool

- 392501-1 60k & 94k



Intensifier End Cap Torque Tool

- 301041-1 60k & 40k



Rod Oil Seal Tool

- 100240-1 Install & Removal



Digital Microscope

- 400354-1 EHE V1 USB Plus



H2O Jet & Flow Compatible Parts

	Gland Nut, HP 1/4" 3/8" 9/16"	40k-60k 400005-1 400005-2 400005-3	Replaces	100k 490005-1 490005-2
	Anti Vibration Collet & Gland, HP 1/4" 3/8"	40k-60k 400036-1 400036-2	A-0689-1 A-0689-2	
	Collar, HP 1/4" 3/8" 9/16"	40k-60k 400006-1 400006-2 400006-3	A-2867 A-2839 A-3951	100k 490006-1 490006-2
	Plug, HP 1/4" 3/8" 9/16"	40k-60k 400007-1 400007-2 400007-3	A-0784-2	100k 490007-1 490007-2
	Coned Insert, HP 1/4" 3/8" 9/16"	40k-60k 400013-1 400013-2 400013-3		100k 490013-1 490013-2
	Adapter, HP 3/8"M x 1/4"F, 2 Pc.	40k-60k 400008-1	A-0792	100k 490008-1
	Adapter, HP 3/8"M x 1/4"F, One Pc.	40k-60k 400008-1-1		
	Adapter, HP 1/4"M x 3/8"F	40k-60k 400008-2		
	Adapter, HP 3/8"M x 9/16"F	40k-60k 400008-3		
	Adapter, HP 3/8"F x 9/16"M	40k-60k 400008-4	A-4691	
	Adapter, HP 3/8"M x 1/2"JIC	40k-60k 400008-5		
	Adapter, HP 9/16"M x 1/4"F	40k-60k 400008-8		
	Adapter, HP 3/8"F x 9/16"F 1/4"F x 3/8"F 1/4"F x 9/16"F	40k-60k 400008-6 400008-9 400008-12		
	Straight Coupling, HP 1/4" 3/8" 9/16"	40k-60k 400011-1 400011-2 400011-3	A-0780-2	100k 490011-1 490011-2

100k
490009-1
490009-2
A-0775-2

Replaces **40k - 60k**
400009-1
400009-2
400009-3

Elbow, HP
1/4"
3/8"
9/16"



100k
490012-1
490012-2
A-0776-2
A-0776-6

40k-60k
400012-1
400012-2
400012-3

Tee, HP
1/4"
3/8"
9/16"



100k
490071-2
A-0777-2

40k-60k
400071-1
400071-2
400071-3

Cross, HP
1/4"
3/8"
9/16"



100k
490072-2
A-0784-2

40k-60k
400072-1-2
400072-2-2
400072-3-2

Straight Valve, 2-way
1/4"
3/8"
9/16"



40k-60k
400072-1-2-90
400072-2-2-90
400072-3-2-90

Straight Valve, Right Angle
1/4"
3/8"
9/16"



40k-60k
400077-3
400077-4
400077-6
400077-8
400077-11

Nipple, HP 1/4" O.D.
3" Long
4" Long
6" Long
8" Long
11" Long



100k
490010-3
490010-4
490010-6
A-0782-3

40k-60k
400010-3
400010-4
400010-6

Nipple, HP 3/8" O.D.
3" Long
4" Long
6" Long



100k
490090-1
400090-1-1
400090-1-1-20
400090-1-2
400090-1-2-20

1/4" HP Tubing
Random 20+' (316SS)
Exact 20' (316 SS)
Random 20+' (304 SS)
Exact 20' (304 SS)
Random 20+' (100k UHP)



100k
490090-2
400090-2-1
400090-2-1-20
400090-2-2
400090-2-2-20

3/8" HP Tubing
Random 20+' (316 SS)
Exact 20' (316 SS)
Random 20+' (304 SS)
Exact 20' (304 SS)
Random 20+' (100k UHP)



100k
490090-3
400090-3-1
400090-3-2
400090-3-2-20

9/16" HP Tubing
Random 20+' (316 SS)
Random 20+' (304 SS)
Exact 20' (304 SS)
Random 20+' (100k UHP)



HP Tubing Clamp Set
400082-1 1/4"
400082-2 3/8"
400082-3 9/16"





Blue Anti Galling Lubricant
2 oz. Tube

400001-1

Replaces
A-2185



O-Ring Lubricant Food Grade
3 oz. Tube

400015-2



O-Ring Lubricant
2 grams

400034-1



Food Grade Lubricant
2 grams

400034-2



Coning & Threading Oil
Sulflo #1

400120-1



Jackbolt Lubricant
16 oz. Can

400001-2



Silver Thread Lubricant
Anti-Seize 4 oz. Can

400001-3



Hydraulic Oil Pressure Gauge
Rear Port
Bottom Port

606050-5

606050-6



Water Gauge
80k PSI
100k PSI
100k PSI, .25HP, 4.25"

400126-1

490126-1

490126-2



Hydraulic Relief Valve
Side Mount, Adjustable
Side Mount, Tamper Proof

400076-1

400096-2

Advantage Pump Maintenance Kits

302022-1 60k
302022-2 40k

Includes:
Bleed Down Repair Kit, 302008-1 ~ D
Hi-Load Piston Ring Kit, 302013-1 ~ E
Blue Goop, 400001-1 ~ F
10mic. Filter Cartridge(x2), 400023-1-10S ~ G
1mic. Filter Cartridge (x2), 400023-1-1S ~ H
Check Valve Repair Kit(x4), 302003-2 ~ A
(60k) HP Seal Kit(x2), 302004-1 ~ B
(40k) HP Seal Kit(x2), 302004-2 ~ B
(60k) Hydraulic Seal Kit, 302007-3 ~ C
(40k) Hydraulic Seal Kit, 302007-5 ~ C



Advantage EP 94k Pump Maintenance Kit

392022-1 94k

Includes:
Hi-Load Piston Ring Kit, 392013-1 ~ E
Silver Thread Lubricant, 400001-3 ~ F
10mic. Filter Cartridge(x2), 400023-1-1 ~ G
1mic. Filter Cartridge(x2), 400023-1-10 ~ H
Check Valve Repair Kit (x4), 392003-2 ~ A
HP Seal Cartridge (x4), 391094-1 ~ B
94k Mini On/Off Repair Kit, 392001-1 ~ C
Hydraulic Seal Kit, 392007-3 ~ D



SMP Pump Maintenance Kits

302022-3 60k
302022-4 40k

Includes:
Bleed Down Repair Kit, 302008-1 ~ D
Hi-Load Piston Ring Kit, 302013-1 ~ E
Blue Goop, 400001-1 ~ F
10mic. Filter Cartridge, 400023-1-10 ~ G
1mic. Filter Cartridge, 400023-1-1 ~ H
6mic. Oil Filter, 606210-6-F ~ I
Check Valve Repair Kit(x4), 302003-2 ~ A
(60k) HP Seal Kit(x2), 302004-1 ~ B
(40k) HP Seal Kit(x2), 302004-2 ~ B
(60k) Hydraulic Seal Kit, 302007-3 ~ C
(40k) Hydraulic Seal Kit, 302007-5 ~ C



EF 1.5 GPM Pump Maintenance Kit

302022-5 60k

Includes:
Blue Goop, 400001-1 ~ E
10mic. Filter Cartridge(x2), 400023-1-1S ~ F
1mic. Filter Cartridge(x2), 400023-1-10S ~ G
10mic. Filter Cartridge, 606210-9-F ~ H
On/Off Valve Repair Kit, 302001-1 ~ I
Check Valve Repair Kit(x4), 302003-4 ~ A
HP Seal Kit(x2), 302004-3 ~ B
Hydraulic Seal Kit, 302007-6 ~ C
Hi-Load Piston Ring Kit, 302013-1 ~ D



700040-50

Chiller 50HP 41,000 BTU
480v 3ph, 1/2" NPT 4GPM



700040-100

Chiller 100HP 98,000 BTU
480v 3ph, 3/4" NPT 8GPM



301025-1
301025-5
391025-1

Attenuator Assembly
2 Liter
1 Liter
94k - 1.1 Liter



606045-2
606045-3
606045-5

AKG Heat Exchanger
40 Plate
20 Plate
10 Plate





Gravity Abrasive Meter
Disk Metered

700004-2



Rubber Bumper
Abrasive Metering Valve

400094-1

Replaces
A-11073



Bulk Hopper
6.5 cu. ft. W/Sight Glass
6.5 cu. ft. W/Level Sensors

700002-1
700002-2



Abrasive Feed Kit
Bulk Hopper, Gravity Meter & Feed Hose

302033-1

Includes:
A - 606116-1, Abrasive Feed Hose
B - 700002-1, Bulk Hopper
C - 700004-2, Gravity Meter
D - 700005-1, Bulk Feeder Hose



Abrasive Feed Hose
3/8" OD, 1/4" ID Clear (sold per ft.)
3/8" OD, 3/16" ID Clear (sold per ft.)

606116-1
606116-2



Bulk Feeder Hose
3/4" Clear PVC Braided (sold per ft.)

700005-1



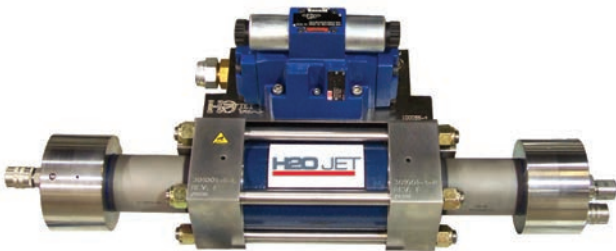
H2O JET set the standard with the the Advantage® Pump series. This industrial workhorse provides the best solution to your waterjet needs and is ideal for both water-only & abrasive applications. The Advantage® Pump maintains maximum pressure and flow rate with the lowest pressure fluctuation throughout the complete Ultra High Pressure range of cutting parameters ensuring minimal downtime and increased productivity.

INTENSIFIER MODELS

- H100D: Dual intensifier, 100 hp motor
- H50R: Redundant, two intensifiers, 50 hp motor
- H50S: Single intensifier, 50 hp motor

Advantage® Pump Features

- 1) Six models supporting orifice sizes up to .025" (Flow rate chart on page 29)
- 2) Up to 2 gpm flow rate at 60,000 psi
- 3) Ergonomic, accessible design with removable doors and covers.
- 4) Consistant maximum pressure with minimum pressure fluctuation.
- 5) Quiet operation, less that 80db
- 6) User friendly operator interface with touch screen controls
- 7) Motor Starter included (Optional Wye-Delta)
- 8) Superior Reliability



Additional Options:

- * 60K psi
- * 40K psi
- * Electric Shift Intensifiers
- * Mechancial Shift Intensifiers
- * Remote Control with Start-Stop, High-Low Pressure and E-Stop features
- * Electrical Options: 208/3/60, 240/3/60, 415/3/50, 480/3/60, 575/3/60
- * Wye-Delta Starter

Specifications	H100D	H50S or R
Intensifiers	Dual	Single or Redundant
Max Op Pressure	60,000 psi (4150 bar)	60,000 psi (4150 bar)
Flow Rate	2 gpm (7.6 L/min)	1 gpm (3.8 L/min)
Max orifice Size	.020" (.508 mm)	.014" (.36 mm)
Horsepower	100 hp (74.57 kw)	50 hp (37.29 kw)
Hydraulic Res Capacity	80 gal (302.8 L/min)	80 gal (302.8 L/min)
Cooling Water Flow	3-5 gpm (11.4-20 L/min)	3-5 gpm (11.4-20 L/min)
Length	79" (201 cm)	79" (201 cm)
Width	49" (124.5 cm)	49" (124.5 cm)
Height	51" (129.5 cm)	51" (129.5 cm)
Weight	4000 lb (1814 kg)	3500 lb (1588 kg)

H2O JET's Skid Mount Pumps are high performance pumps designed with features that enhance operation and cutting effectiveness, including a low inlet water pressure safety switch (30 psi), three phase motor, manual pressure control, and an electrical junction box for convenient maintenance. The SMP delivers the same outstanding performance as our *Advantage*® pumps. Removal of the framing option creates a lower cost, yet the high performance of the *Advantage*® line is maintained.



SKID MOUNT PUMP FEATURES

- 1) Low inlet water pressure safety switch (30 psi)
- 2) Return line oil filter with service indicator
- 3) Hi-temp/low level oil safety switch
- 4) Oil/water heat exchanger
- 5) Variable displacement axial piston pump
- 6) Auto bleed down valve
- 7) Sealed base captures oil in case of a major spill
- 8) Rugged powder-coated finish
- 9) Epoxy coated oil tank
- 10) Vibration isolation pads on the motor

OPTIONS

- *Basic control for Pump On/Off & E-stop
- *Air/oil heat exchanger (oil temp controlled)
- *Electronic pressure control
- *Continuous recirculation pump for cooling system
- *Mechanical shift
- *PLC based controls with user friendly operator interface
- *Remote start/stop, E-Stop, Hi/Low Panel
- *Cooling water solenoid valve (oil temp controlled)
- *40,000 PSI Intensifier
- *Single phase motor
- *Pump Cover
- *Water Booster Pump

INTENSIFIER MODELS

- SMP-10: Single intensifier, 10 hp motor
- SMP-15: Single intensifier, 15 hp motor
- SMP-30: Single intensifier, 30 hp motor
- SMP-50: Single intensifier, 50 hp motor

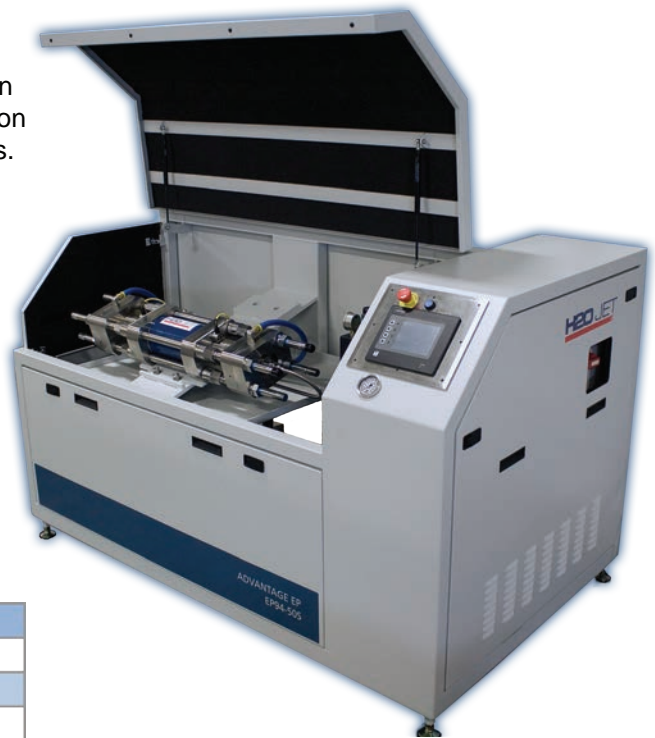


Specifications	SMP-10	SMP-15	SMP-30	SMP-50
Max Op Pressure	60,000 psi (4150 bar)	60,000 psi (4150 bar)	60,000 psi (4150 bar)	60,000 psi (4150 bar)
Flow Rate	0.24 gpm (0.91 L/min)	0.31 gpm (1.17 L/min)	0.6 gpm (2.27 L/min)	1.0 gpm (3.81 L/min)
Max orifice Size	.007" (.178 mm)	.008" (.203 mm)	.011" (.28 mm)	.014" (.36 mm)
Horsepower	10 hp (7.3 kw)	15 hp (11 kw)	30 hp (22 kw)	50 hp (37 kw)
Hydraulic Res Capacity	25 gal (95 L)	25 gal (95 L)	35 gal (132 L)	50 gal (189 L/min)
Cooling Water Flow	2-4 gpm (7-15 L/min)	2-4 gpm (7-15 L/min)	3-5 gpm (11.4-20 L/min)	3-5 gpm (11.4-20 L/min)
Attenuator Volume	25 cu. in. (.41 L)	25 cu. in. (.41 L)	61 cu.in. (1 L)	61 cu. in. (1 L) Standard 135 cu. In. (2L) Optional
Length	44" (111 cm)	44" (111 cm)	47" (119 cm)	51.5" (131 cm)
Width	34" (86 cm)	34" (86 cm)	37" (94 cm)	43" (109 cm)
Height	33" (83 cm)	33" (83 cm)	41" (104 cm)	46.4" (118 cm)
Weight	770 lbs (349 kg)	800 lbs (362 kg)	1500 lbs (680 kg)	1800 lbs (816 kg)

H2O Jet continues to set the standard with the Advantage Extreme Pressure & Extreme Flow Pump series. These Pumps provides the best solution to your waterjet needs. The Advantage Extreme Pressure & Extreme Flow Pumps maintain maximum pressure and flow rate with the lowest pressure fluctuation throughout the complete high pressure range of cutting parameters. This insures minimum downtime and increases productivity.

ADVANTAGE EP PUMP FEATURES

- 1) Three models supporting orifice sizes up to .015"
- 2) Up to 1.26 gpm flow rate at 94,000 psi
- 3) Ergonomic, accessible design with removable doors and covers, tabletop intensifier height
- 4) Constant maximum pressure with minimum pressure fluctuation
- 5) User-friendly operator interface with touchscreen controls and diagnostics
- 6) Motor Starter included (optional Wye-Delta)



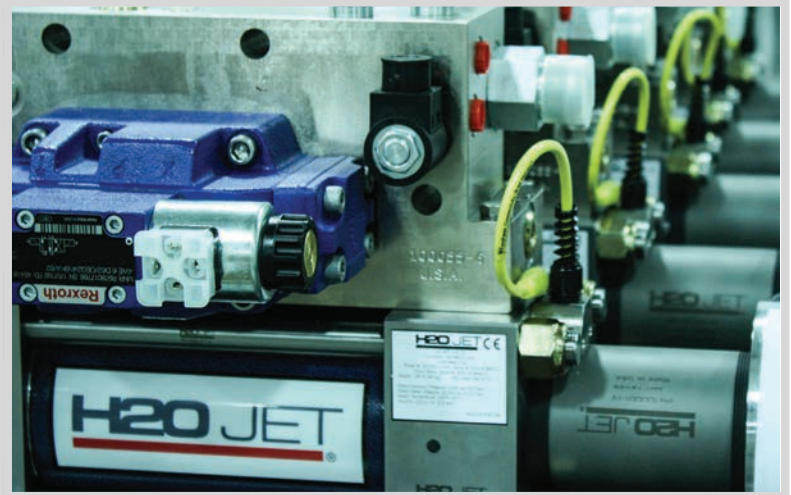
Specifications	H50S or R EP	H100 EP
Intensifiers	Single or Redundant	Dual
Max Op Pressure	94,000 psi (6481 bar)	94,000 psi (6481 bar)
Flow Rate	.63 gpm (2.38 L/min)	1.26 gpm (4.77 L/min)
Max orifice Size	.010" (.254 mm)	.015" (.381 mm)
Horsepower	50 hp (37.29 kw)	100 hp (74.57 kw)
Hydraulic Res Capacity	80 gal (302.8 L/min)	80 gal (302.8 L/min)
Cooling Water Flow	3-5 gpm (11.4-20 L/min)	3-5 gpm (11.4-20 L/min)
Length	79" (201 cm)	79" (201 cm)
Width	49" (124.5 cm)	49" (124.5 cm)
Height	51" (129.5 cm)	51" (129.5 cm)
Weight	3500 lb (1588 kg)	4300 lb (1950 kg)

ADVANTAGE® EF PUMP FEATURES

- 1) Three models supporting orifice sizes up to .024"
- 2) Up to three gpm flow rate at 60,000 psi
- 3) Ergonomic, accessible design with removable doors and covers, tabletop intensifier height
- 4) Constant maximum pressure with minimum pressure fluctuation
- 6) User-friendly operator interface with touchscreen controls and diagnostics
- 7) Motor Starter included (optional Wye-Delta)



Specifications	H75 S or R EF	H150D EF
Intensifiers	Single or Redundant	Dual
Max Op Pressure	60,000 psi (4150 bar)	60,000 psi (4150 bar)
Flow Rate	1.5 gpm (5.7) L/min)	3.0 gpm (11.4 L/min)
Max orifice Size	.017" (.431 mm)	.024" (.609 mm)
Horsepower	75 hp (55.92 kw)	150 hp (111.85 kw)
Hydraulic Res Capacity	80 gal (302.8 L/min)	80 gal (302.8 L/min)
Cooling Water Flow	3-5 gpm (11.4-20 L/min)	3-5 gpm (11.4-20 L/min)
Length	79" (201 cm)	79" (201 cm)
Width	49" (124.5 cm)	49" (124.5 cm)
Height	51" (129.5 cm)	51" (129.5 cm)
Weight	3600 lb (1633 kg)	4900 lb (2222 kg)



You cut, we handle the pressure!

Reliable, High Precision Spare Parts & Pumps

Spare parts by H2O JET conform to the highest in quality standards. They are designed for a quick and easy replacement of ultra high pressure waterjet cutting systems. Proper fit, high material quality and fast availability help reduce the risk of prolonged production stoppage due to defective spare parts.

Go the safe and easy way with spare parts from H2O JET.

H2O JET[®]

1145 85th Avenue SE Tumwater, WA 98501 USA

Tel.: 1-360-866-7161

Fax: 1-360-539-2440

Toll Free: 1-866-WATERJET (928-3753)

WWW.WATERJETPARTS.COM

sales@waterjetparts.com