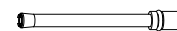
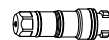
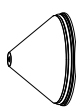


# XPR170®

## Consumables



### Mild steel

| Amperage | Process                        | Shield cap | Shield | Nozzle retaining cap | Nozzle | Swirl ring | Electrode | Water tube |
|----------|--------------------------------|------------|--------|----------------------|--------|------------|-----------|------------|
| 30 A     | O <sub>2</sub> /O <sub>2</sub> | 420200     | 420228 | 420365               | 420225 | 420407     | 420222    | 420368     |
| 50 A     | O <sub>2</sub> /Air            | 420200     | 420237 | 420365               | 420234 | 420233     | 420231    | 420368     |
| 80 A     | O <sub>2</sub> /Air            | 420200     | 420246 | 420365               | 420243 | 420242     | 420240    | 420368     |
| 130 A    | O <sub>2</sub> /Air            | 420200     | 420255 | 420365               | 420252 | 420242     | 420249    | 420368     |
| 170 A    | O <sub>2</sub> /Air            | 420200     | 420513 | 420365               | 420261 | 420260     | 420258    | 420368     |

### Non-ferrous by amp

|       |                                                   |        |        |        |        |        |        |        |
|-------|---------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| 40 A  | N <sub>2</sub> /N <sub>2</sub>                    | 420200 | 420291 | 420365 | 420288 | 420314 | 420303 | 420368 |
|       | Air/Air                                           | 420200 | 420291 | 420365 | 420288 | 420314 | 420294 | 420368 |
| 60 A  | N <sub>2</sub> /N <sub>2</sub>                    | 420200 | 420309 | 420365 | 420297 | 420323 | 420303 | 420368 |
|       | F5/N <sub>2</sub>                                 | 420200 | 420309 | 420365 | 420297 | 420323 | 420303 | 420368 |
|       | N <sub>2</sub> /H <sub>2</sub> O                  | 420200 | 420300 | 420365 | 420296 | 420323 | 420303 | 420368 |
|       | Air/Air                                           | 420200 | 420309 | 420365 | 420297 | 420323 | 420294 | 420368 |
| 80 A  | N <sub>2</sub> /N <sub>2</sub>                    | 420200 | 420309 | 420365 | 420306 | 420323 | 420303 | 420368 |
|       | F5/N <sub>2</sub>                                 | 420200 | 420309 | 420365 | 420306 | 420323 | 420303 | 420368 |
|       | N <sub>2</sub> /H <sub>2</sub> O                  | 420200 | 420300 | 420365 | 420290 | 420323 | 420303 | 420368 |
|       | Air/Air                                           | 420200 | 420309 | 420365 | 420306 | 420323 | 420294 | 420368 |
| 130 A | N <sub>2</sub> /N <sub>2</sub>                    | 420200 | 420318 | 420365 | 420315 | 420314 | 420356 | 420368 |
|       | H <sub>2</sub> -Ar-N <sub>2</sub> /N <sub>2</sub> | 420200 | 420318 | 420365 | 420315 | 420323 | 420356 | 420368 |
|       | N <sub>2</sub> /H <sub>2</sub> O                  | 420200 | 420469 | 420365 | 420315 | 420314 | 420356 | 420368 |
| 170 A | N <sub>2</sub> /N <sub>2</sub>                    | 420200 | 420327 | 420365 | 420324 | 420314 | 420356 | 420368 |
|       | H <sub>2</sub> -Ar-N <sub>2</sub> /N <sub>2</sub> | 420200 | 420327 | 420365 | 420324 | 420323 | 420356 | 420368 |
|       | N <sub>2</sub> /H <sub>2</sub> O                  | 420200 | 420472 | 420365 | 420324 | 420314 | 420356 | 420368 |
|       | Air/Air                                           | 420200 | 420513 | 420365 | 420524 | 420260 | 420258 | 420368 |

### Non-ferrous by process

|                                                   |       |        |        |        |        |        |        |        |
|---------------------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|
| N <sub>2</sub> /N <sub>2</sub>                    | 40 A  | 420200 | 420291 | 420365 | 420288 | 420314 | 420303 | 420368 |
|                                                   | 60 A  | 420200 | 420309 | 420365 | 420297 | 420323 | 420303 | 420368 |
|                                                   | 80 A  | 420200 | 420309 | 420365 | 420306 | 420323 | 420303 | 420368 |
|                                                   | 130 A | 420200 | 420318 | 420365 | 420315 | 420314 | 420356 | 420368 |
|                                                   | 170 A | 420200 | 420327 | 420365 | 420324 | 420314 | 420356 | 420368 |
| F5/N <sub>2</sub>                                 | 60 A  | 420200 | 420309 | 420365 | 420297 | 420323 | 420303 | 420368 |
|                                                   | 80 A  | 420200 | 420309 | 420365 | 420306 | 420323 | 420303 | 420368 |
| Air/Air                                           | 40 A  | 420200 | 420291 | 420365 | 420288 | 420314 | 420294 | 420368 |
|                                                   | 60 A  | 420200 | 420309 | 420365 | 420297 | 420323 | 420294 | 420368 |
|                                                   | 80 A  | 420200 | 420309 | 420365 | 420306 | 420323 | 420294 | 420368 |
|                                                   | 170 A | 420200 | 420513 | 420365 | 420524 | 420260 | 420258 | 420368 |
| N <sub>2</sub> /H <sub>2</sub> O                  | 60 A  | 420200 | 420300 | 420365 | 420296 | 420323 | 420303 | 420368 |
|                                                   | 80 A  | 420200 | 420300 | 420365 | 420290 | 420323 | 420303 | 420368 |
|                                                   | 130 A | 420200 | 420469 | 420365 | 420315 | 420314 | 420356 | 420368 |
|                                                   | 170 A | 420200 | 420472 | 420365 | 420324 | 420314 | 420356 | 420368 |
| H <sub>2</sub> -Ar-N <sub>2</sub> /N <sub>2</sub> | 130 A | 420200 | 420318 | 420365 | 420315 | 420323 | 420356 | 420368 |
|                                                   | 170 A | 420200 | 420327 | 420365 | 420324 | 420323 | 420356 | 420368 |

### TECHNOLOGIES

Chambered swirl ring  
 Conical Flow™  
 CoolFlow™  
 HyDefinition®  
 LongLife®  
 PowerPierce®  
 Plasma dampening  
 QuickLock™ electrode  
 TrueFlow™  
 Vented shield  
 Vent-to-shield  
 VWI™

# XPR170®

## Torch assembly options

|   | Part number<br>Standard | Part number<br>Standard Bevel/Robotic | Part number<br>Bevel/Robotic | Description                                |
|---|-------------------------|---------------------------------------|------------------------------|--------------------------------------------|
|   | 428383                  | 428825                                | 428831*                      | Lead: 2 m (6.6')                           |
|   | 428384                  | 428826                                | 428832*                      | Lead: 2.5 m (8.2')                         |
|   | 428385                  | 428827                                | 428833*                      | Lead: 3 m (9.8')                           |
|   | 428386                  | 428828                                | 428834*                      | Lead: 3.5 m (11.5')                        |
|   | 428824                  | 428829                                | 428835*                      | Lead: 4 m (13.1')                          |
|   | 428387                  | 428830                                | 428836*                      | Lead: 4.5 m (14.8')                        |
|   |                         | 428978**                              | 428979**                     | Lead: 6 m (20')**                          |
|   |                         | 428916                                |                              | Lead: Thru arm robotic 3.5 m (11.5')       |
|   |                         | 428918                                |                              | Lead: Thru arm robotic 4.5 m (14.8')       |
| 1 | 420500                  |                                       |                              | Torch mounting sleeve: Standard            |
|   | 420501                  |                                       |                              | Torch mounting sleeve: Short               |
|   | 420502                  |                                       |                              | Torch mounting sleeve: Extended            |
| 5 |                         | 420788                                |                              | Rotational torch mounting sleeve: Short    |
|   |                         | 420789                                |                              | Rotational torch mounting sleeve: Medium   |
|   |                         | 420790                                |                              | Rotational torch mounting sleeve: Extended |
| 2 | 420220                  |                                       |                              | Quick-disconnect torch receptacle          |
| 3 | 420221                  |                                       |                              | Quick-disconnect XPR torch                 |
| 4 | 420368                  |                                       |                              | Water tube                                 |

\* Bevel/Robotic lead sets 428831–428836 include an extended 1.2 m (48") strain relief.

\*\* The 6 m (20') lead is compatible only with console to console gas assemblies that are 7.5 m (24.6') or less.



## Additional parts available

| Part number | Description                                                         |
|-------------|---------------------------------------------------------------------|
| 429013      | XPR electrode torque tool                                           |
| 10080574    | XPR consumable tool                                                 |
| 027055      | Silicone lubricant for o-rings                                      |
| 028872      | Torch coolant – Cool solution: 70/30 PG, 1-gal.                     |
| 428840      | XPR170 Mild steel consumables starter kit                           |
| 428842      | XPR170 mild steel consumables starter kit (torch included)          |
| 428843      | XPR170 non-ferrous consumables starter kit                          |
| 428841      | XPR170 non-ferrous consumables starter kit (torch included)         |
| 428944      | XPR170 Core console non-ferrous consumables starter kit             |
| 810060      | XPR170 plasma instruction manual                                    |
| 809490      | XPR Preventive maintenance instruction manual                       |
| 428639      | Torch rebuild and filter without coolant preventive maintenance kit |
| 428640      | Torch rebuild and filter with coolant preventive maintenance kit    |
| 428878      | XPR170 electronics preventive maintenance kit (200–240 V)           |
| 428879      | XPR170 electronics preventive maintenance kit (380–600 V)           |

For more information, visit: [www.hypertherm.com](http://www.hypertherm.com)

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