



# STANDARDSMARK LICENCE

**SAI Global hereby grants:**

## **MM Kembla**

ABN 13 003 762 641

Gloucester Boulevard, Port Kembla, NSW 2505, Australia

### **StandardsMark Licence**

Manufactured to:

**AS 3688:2016 - Water supply and gas systems - Metallic fittings and end connectors**

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee\* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

**Licence No: SMK40825**

**Issued :** 23 May 2019

**Expires :** 19 May 2024

**Originally Certified :** 20 May 2019

**Current Certification :** 20 May 2019

Kevin Goodwin  
General Manager Technical Services  
SAI Global Assurance



Australian  
Standard

JAS-ANZ



[WWW.JAS-ANZ.ORG/REGISTER](http://WWW.JAS-ANZ.ORG/REGISTER)

\* For details of manufacture, refer to the licensee

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# SCHEDULE TO STANDARDSMARK LICENCE

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## MM Kembla

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Manufactured to:

**AS 3688:2016 - Water supply and gas systems - Metallic fittings and end connectors**

Model identification of the goods on which the STANDARDSMARK may be used:

| Model Identification | Model Name   | Brand Name | Product Description                                    | Product Type | Nominal Size (DN)  | End Connection Designation | Material Designation | Maximum Operating Temperature (°C) | Maximum Operating Pressure (kPa) | Date Endorsed |
|----------------------|--------------|------------|--|--------------|--------------------|----------------------------|----------------------|------------------------------------|----------------------------------|---------------|
| J09067               | Union (62)   | KemPress®  | 15 X 1/2" BSP<br>KEMPRESS UNION (62) GAS               | Union (62)   | DN15 x 1/2" BSP    | F+F Threaded End           | Gunmetal Bronze      | 70                                 | 200                              | 6 Dec 2018    |
| J09068               | Union (62)   | KemPress®  | 20 X 3/4" BSP<br>KEMPRESS UNION (62) GAS               | Union (62)   | DN20 x 3/4" BSP    | F+F Threaded End           | Gunmetal Bronze      | 70                                 | 200                              | 6 Dec 2018    |
| J09290               | Reducing Tee | KemPress®  | 20MM X 15MM X 20MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN20 x DN15 x DN20 | F+F+F                      | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09291               | Reducing Tee | KemPress®  | 20MM X 15MM X 15MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN20 x DN15 x DN15 | F+F+F                      | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09294               | Reducing Tee | KemPress®  | 50MM X 50MM X 40MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN50 x DN50 x DN40 | F+F+F                      | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09300               | Reducer      | KemPress®  | 25MM X 15MM<br>KEMPRESS COPPER REDUCER GAS             | Reducer      | DN25 x DN15        | F+F                        | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09301               | Reducer      | KemPress®  | 32MM X 20MM<br>KEMPRESS COPPER REDUCER GAS             | Reducer      | DN32 x DN20        | F+F                        | Copper               | 70                                 | 200                              | 6 Dec 2018    |

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|----------------------|-----------------------|------------|---|-----------------------|-------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09302               | Reducer               | KemPress®  | 32MM X 25MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS               | Reducer               | DN35 x<br>DN25    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09303               | Reducer               | KemPress®  | 40MM X 32MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS               | Reducer               | DN40 x<br>DN32    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09304               | Reducer               | KemPress®  | 50MM X 40MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS               | Reducer               | DN50 x<br>DN40    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09320               | Connector             | KemPress®  | 15MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>GAS                    | Connector             | DN15 x<br>DN15    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09321               | Connector             | KemPress®  | 20MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>GAS                    | Connector             | DN20 x<br>DN20    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09322               | Connector             | KemPress®  | 25MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>GAS                    | Connector             | DN25 x<br>DN25    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09323               | Connector             | KemPress®  | 32MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>GAS                    | Connector             | DN32 x<br>DN32    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09324               | Connector             | KemPress®  | 40MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>GAS                    | Connector             | DN40 x<br>DN40    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09325               | Connector             | KemPress®  | 50MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>GAS                    | Connector             | DN50 x<br>DN50    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |
| J09326               | End Cap               | KemPress®  | 15MM<br>KEMPRESS<br>END CAP<br>GAS                                | End Cap               | DN15              | F                          | Gunmetal<br>Bronze   | 70                                  | 200                              | 6 Dec<br>2018 |
| J09327               | End Cap               | KemPress®  | 20MM<br>KEMPRESS<br>END CAP<br>GAS                                | End Cap               | DN20              | F                          | Gunmetal<br>Bronze   | 70                                  | 200                              | 6 Dec<br>2018 |
| J09328               | End Cap               | KemPress®  | 25MM<br>KEMPRESS<br>END CAP<br>GAS                                | End Cap               | DN25              | F                          | Gunmetal<br>Bronze   | 70                                  | 200                              | 6 Dec<br>2018 |
| J09329               | End Cap               | KemPress®  | 32MM<br>KEMPRESS<br>END CAP<br>GAS                                | End Cap               | DN32              | F                          | Gunmetal<br>Bronze   | 70                                  | 200                              | 6 Dec<br>2018 |
| J09330               | 45<br>Degree<br>Elbow | KemPress®  | 15MM X<br>15MM<br>KEMPRESS<br>COPPER<br>ELBOW 45<br>DEGREE<br>GAS | 45<br>Degree<br>Elbow | DN15 x<br>DN15    | F+F                        | Copper               | 70                                  | 200                              | 6 Dec<br>2018 |

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|----------------------|---------------------|------------|---|---------------------|-------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09331               | 45 Degree Elbow     | KemPress®  | 20MM X 20MM KEMPRESS COPPER ELBOW 45 DEGREE GAS     | 45 Degree Elbow     | DN20 x DN20       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09332               | 45 Degree Elbow     | KemPress®  | 25MM X 25MM KEMPRESS COPPER ELBOW 45 DEGREE GAS     | 45 Degree Elbow     | DN25 x DN25       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09333               | 45 Degree Elbow     | KemPress®  | 32MM X 32MM KEMPRESS COPPER ELBOW 45 DEGREE GAS     | 45 Degree Elbow     | DN32 x DN32       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09334               | 45 Degree Elbow     | KemPress®  | 40MM X 40MM KEMPRESS COPPER ELBOW 45 DEGREE GAS     | 45 Degree Elbow     | DN40 x DN40       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09335               | 45 Degree Elbow     | KemPress®  | 50MM X 50MM KEMPRESS COPPER ELBOW 45 DEGREE GAS     | 45 Degree Elbow     | DN50 x DN50       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09336               | End Cap             | KemPress®  | 40MM KEMPRESS END CAP GAS                           | End Cap             | DN40              | F                          | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09337               | End Cap             | KemPress®  | 50MM KEMPRESS END CAP GAS                           | End Cap             | DN50              | F                          | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09340               | 90 Degree Elbow M+F | KemPress®  | 15MM X 15MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS | 90 Degree Elbow M+F | DN15 x DN15       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09341               | 90 Degree Elbow M+F | KemPress®  | 20MM X 20MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS | 90 Degree Elbow M+F | DN20 x DN20       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09342               | 90 Degree Elbow M+F | KemPress®  | 25MM X 25MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS | 90 Degree Elbow M+F | DN25 x DN25       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09343               | 90 Degree Elbow M+F | KemPress®  | 32MM X 32MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS | 90 Degree Elbow M+F | DN32 x DN32       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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|----------------------|---------------------|------------|---|---------------------|--------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09344               | 90 Degree Elbow M+F | KemPress®  | 40MM X 40MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS   | 90 Degree Elbow M+F | DN40 x DN40        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09345               | 90 Degree Elbow M+F | KemPress®  | 50MM X 50MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS   | 90 Degree Elbow M+F | DN50 x DN50        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09350               | Reducing Tee        | KemPress®  | 20MM X 20MM X 15MM KEMPRESS COPPER TEE REDUCING GAS   | Reducing Tee        | DN20 x DN20 x DN15 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09351               | Reducing Tee        | KemPress®  | 25MM X 25MM X 15MM KEMPRESS COPPER TEE REDUCING GAS   | Reducing Tee        | DN25 x DN25 x DN15 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09352               | Reducing Tee        | KemPress®  | 25MM X 25MM X 20MM KEMPRESS COPPER TEE REDUCING GAS   | Reducing Tee        | DN25 x DN25 x DN20 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09353               | Reducing Tee        | KemPress®  | 32MM X 32MM X 25MM KEMPRESS COPPER TEE REDUCING GAS   | Reducing Tee        | DN32 x DN32 x DN25 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09354               | Reducing Tee        | KemPress®  | 40MM X 40MM X 32MM KEMPRESS COPPER TEE REDUCING GAS   | Reducing Tee        | DN40 x DN40 x DN32 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09355               | Reducer             | KemPress®  | 20MM X 15MM KEMPRESS COPPER REDUCER GAS               | Reducer             | DN20 x DN15        | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09356               | Reducer             | KemPress®  | 25MM X 20MM KEMPRESS COPPER REDUCER GAS               | Reducer             | DN25 x DN20        | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09360               | Male Line Adaptor   | KemPress®  | 15 X 1/2" BSP KEMPRESS GUNMETAL MALE LINE ADAPTOR GAS | Male Line Adaptor   | DN15 x 1/2" BSP    | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |

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|----------------------|-------------------|------------|--|-------------------|-------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09361               | Male Line Adaptor | KemPress®  | 15 X 3/4" BSP<br>KEMPRESS<br>GUNMETAL<br>MALE LINE<br>ADAPTOR<br>GAS   | Male Line Adaptor | DN15 x 3/4" BSP   | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09362               | Male Line Adaptor | KemPress®  | 20 X 1/2" BSP<br>KEMPRESS<br>GUNMETAL<br>MALE LINE<br>ADAPTOR<br>GAS   | Male Line Adaptor | DN20 x 1/2" BSP   | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09363               | Male Line Adaptor | KemPress®  | 20 X 3/4" BSP<br>KEMPRESS<br>GUNMETAL<br>MALE LINE<br>ADAPTOR<br>GAS   | Male Line Adaptor | DN20 x 3/4" BSP   | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09364               | Male Line Adaptor | KemPress®  | 25 X 3/4" BSP<br>KEMPRESS<br>GUNMETAL<br>MALE LINE<br>ADAPTOR<br>GAS   | Male Line Adaptor | DN25 x 3/4" BSP   | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09365               | Male Line Adaptor | KemPress®  | 25 X 1" BSP<br>KEMPRESS<br>GUNMETAL<br>MALE LINE<br>ADAPTOR<br>GAS     | Male Line Adaptor | DN25 x 1" BSP     | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09366               | Male Line Adaptor | KemPress®  | 32 X 1-1/4" BSP<br>KEMPRESS<br>GUNMETAL<br>MALE LINE<br>ADAPTOR<br>GAS | Male Line Adaptor | DN32 x 1-1/4" BSP | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09367               | Male Line Adaptor | KemPress®  | 40 X 1-1/2" BSP<br>KEMPRESS<br>GUNMETAL<br>MALE LINE<br>ADAPTOR<br>GAS | Male Line Adaptor | DN40 x 1-1/2" BSP | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09368               | Male Line Adaptor | KemPress®  | 50 X 2" BSP<br>KEMPRESS<br>GUNMETAL<br>MALE LINE<br>ADAPTOR<br>GAS     | Male Line Adaptor | DN50 x 2" BSP     | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09370               | Slip Connector    | KemPress®  | 15MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>SLIP GAS                    | Slip Connector    | DN15 x DN15       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09371               | Slip Connector    | KemPress®  | 20MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>SLIP GAS                    | Slip Connector    | DN20 x DN20       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09372               | Slip Connector    | KemPress®  | 25MM<br>KEMPRESS<br>COPPER<br>CONNECTOR<br>SLIP GAS                    | Slip Connector    | DN25 x DN25       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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|----------------------|-----------------|------------|---|-----------------|---------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09373               | Slip Connector  | KemPress®  | 32MM KEMPRESS COPPER CONNECTOR SLIP GAS         | Slip Connector  | DN32 x DN32         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09374               | Slip Connector  | KemPress®  | 40MM KEMPRESS COPPER CONNECTOR SLIP GAS         | Slip Connector  | DN40 x DN40         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09375               | Slip Connector  | KemPress®  | 50MM KEMPRESS COPPER CONNECTOR SLIP GAS         | Slip Connector  | DN50 x DN50         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09380               | 90 Degree Elbow | KemPress®  | 15MM X 15MM KEMPRESS COPPER ELBOW 90 DEGREE GAS | 90 Degree Elbow | DN15 x DN15         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09381               | 90 Degree Elbow | KemPress®  | 20MM X 20MM KEMPRESS COPPER ELBOW 90 DEGREE GAS | 90 Degree Elbow | DN20 x DN20         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09382               | 90 Degree Elbow | KemPress®  | 25MM X 25MM KEMPRESS COPPER ELBOW 90 DEGREE GAS | 90 Degree Elbow | DN25 x DN25         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09383               | 90 Degree Elbow | KemPress®  | 32MM X 32MM KEMPRESS COPPER ELBOW 90 DEGREE GAS | 90 Degree Elbow | DN32 x DN32         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09384               | 90 Degree Elbow | KemPress®  | 40MM X 40MM KEMPRESS COPPER ELBOW 90 DEGREE GAS | 90 Degree Elbow | DN40 x DN40         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09385               | 90 Degree Elbow | KemPress®  | 50MM X 50MM KEMPRESS COPPER ELBOW 90 DEGREE GAS | 90 Degree Elbow | DN50 x DN50         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09390               | Equal Tee       | KemPress®  | 15MM KEMPRESS COPPER TEE EQUAL GAS              | Equal Tee       | DN15 x DN15 x DN15  | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09391               | Equal Tee       | KemPress®  | 20MM KEMPRESS COPPER TEE EQUAL GAS              | Equal Tee       | DN20 x DN20 x DN20  | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09392               | Equal Tee       | KemPress®  | 25MM KEMPRESS COPPER TEE EQUAL GAS              | Equal Tee       | DN 25 x DN25 x DN25 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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|----------------------|-------------|------------|---|--------------|--------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09393               | Equal Tee   | KemPress®  | 32MM KEMPRESS COPPER TEE EQUAL GAS          | Equal Tee    | DN32 x DN32 x DN32 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09394               | Equal Tee   | KemPress®  | 40MM KEMPRESS COPPER TEE EQUAL GAS          | Equal Tee    | DN40 x DN40 x DN40 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09395               | Equal Tee   | KemPress®  | 50MM KEMPRESS COPPER TEE EQUAL GAS          | Equal Tee    | DN50 x DN50 x DN50 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09400               | Reducer M+F | KemPress®  | 20MM X 15MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN20 x DN15        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09401               | Reducer M+F | KemPress®  | 25MM X 15MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN25 x DN15        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09402               | Reducer M+F | KemPress®  | 25MM X 20MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN25 x DN20        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09403               | Reducer M+F | KemPress®  | 32MM X 25MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN32 x DN25        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09404               | Reducer M+F | KemPress®  | 40MM X 25MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN40 x DN25        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09405               | Reducer M+F | KemPress®  | 40MM X 32MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN40 x DN32        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09406               | Reducer M+F | KemPress®  | 50MM X 25MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN50 x DN25        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09407               | Reducer M+F | KemPress®  | 50MM X 32MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN50 x DN32        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09408               | Reducer M+F | KemPress®  | 50MM X 40MM KEMPRESS COPPER REDUCER M+F GAS | Reducer M+F  | DN50 x DN40        | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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# SCHEDULE TO STANDARDSMARK LICENCE

| Model Identification | Model Name          | Brand Name | Product Description  | Product Type        | Nominal Size (DN) | End Connection Designation | Material Designation | Maximum Operating Temperature (° C) | Maximum Operating Pressure (kPa) | Date Endorsed |
|----------------------|---------------------|------------|--|---------------------|-------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09410               | Back Plated Elbow   | KemPress®  | 12.7 X 1/2" BSP<br>KEMPRESS SILICON BRONZE BACK PLATED ELBOW M GAS           | Back Plated Elbow   | DN15 x 1/2" BSP   | F+F Threaded End           | Silicon Bronze       | 70                                  | 200                              | 6 Dec 2018    |
| J09411               | Back Plated Elbow   | KemPress®  | 12.7 X 1/2" BSP<br>KEMPRESS SILICON BRONZE BACK PLATED ELBOW F GAS           | Back Plated Elbow   | DN15 x 1/2" BSP   | F+F Threaded End           | Silicon Bronze       | 70                                  | 200                              | 6 Dec 2018    |
| J09412               | Back Plated Elbow   | KemPress®  | 19.05 X 3/4" BSP<br>KEMPRESS SILICON BRONZE BACK PLATED ELBOW F GAS          | Back Plated Elbow   | DN20 x 3/4" BSP   | F+F Threaded End           | Silicon Bronze       | 70                                  | 200                              | 6 Dec 2018    |
| J09427               | Back Plated Elbow   | KemPress®  | 12.7 X 1/2" BSP<br>KEMPRESS SILICON BRONZE BACK PLATED ELBOW MALE (96MM) GAS | Back Plated Elbow   | DN15 x 1/2" BSP   | F+M Threaded End           | Silicon Bronze       | 70                                  | 200                              | 6 Dec 2018    |
| J09450               | Union (69)          | KemPress®  | 25 X 1" BSP<br>KEMPRESS UNION (69) GAS                                       | Union (69)          | DN25 x 1" BSP     | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09451               | Union (69)          | KemPress®  | 32 X 1-1/4" BSP<br>KEMPRESS UNION (69) GAS                                   | Union (69)          | DN32 x 1-1/4" BSP | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09452               | Union (69)          | KemPress®  | 40 X 1-1/2" BSP<br>KEMPRESS UNION (69) GAS                                   | Union (69)          | DN40 x 1-1/2" BSP | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09453               | Union (69)          | KemPress®  | 50 X 2" BSP<br>KEMPRESS UNION (69) GAS                                       | Union (69)          | DN50 x 2" BSP     | F+M Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09534               | Female Line Adaptor | KemPress®  | 15 X 1/2" BSP<br>KEMPRESS GUNMETAL FEMALE LINE ADAPTOR GAS                   | Female Line Adaptor | DN15 x 3/4" BSP   | F+F Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09535               | Female Line Adaptor | KemPress®  | 20 X 3/4" BSP<br>KEMPRESS GUNMETAL FEMALE LINE ADAPTOR GAS                   | Female Line Adaptor | DN20 x 3/4" BSP   | F+F Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |

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|----------------------|---------------------|------------|--|---------------------|-------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09536               | Female Line Adaptor | KemPress®  | 25 X 1" BSP<br>KEMPRESS<br>GUNMENTAL<br>FEMALE<br>LINE<br>ADAPTOR<br>GAS     | Female Line Adaptor | DN25 x 1" BSP     | F+F Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09537               | Female Line Adaptor | KemPress®  | 32 X 1-1/4" BSP<br>KEMPRESS<br>GUNMENTAL<br>FEMALE<br>LINE<br>ADAPTOR<br>GAS | Female Line Adaptor | DN32 x 1-1/4" BSP | F+F Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09538               | Female Line Adaptor | KemPress®  | 40 X 1-1/2" BSP<br>KEMPRESS<br>GUNMENTAL<br>FEMALE<br>LINE<br>ADAPTOR<br>GAS | Female Line Adaptor | DN40 x 1-1/2" BSP | F+F Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09539               | Female Line Adaptor | KemPress®  | 50 X 2" BSP<br>KEMPRESS<br>GUNMENTAL<br>FEMALE<br>LINE<br>ADAPTOR<br>GAS     | Female Line Adaptor | DN50 x 2" BSP     | F+F Threaded End           | Gunmetal Bronze      | 70                                  | 200                              | 6 Dec 2018    |
| J09640               | Reducer             | KemPress®  | 32MM X 15MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS                          | Reducer             | DN32 x DN15       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09641               | Reducer             | KemPress®  | 40MM X 20MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS                          | Reducer             | DN40 x DN20       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09642               | Reducer             | KemPress®  | 40MM X 25MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS                          | Reducer             | DN40 x DN25       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09643               | Reducer             | KemPress®  | 50MM X 20MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS                          | Reducer             | DN50 x DN20       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09644               | Reducer             | KemPress®  | 50MM X 25MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS                          | Reducer             | DN50 x DN25       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09645               | Reducer             | KemPress®  | 50MM X 32MM<br>KEMPRESS<br>COPPER<br>REDUCER<br>GAS                          | Reducer             | DN50 x DN32       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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| Model Identification | Model Name   | Brand Name | Product Description                                    | Product Type | Nominal Size (DN)  | End Connection Designation | Material Designation | Maximum Operating Temperature (° C) | Maximum Operating Pressure (kPa) | Date Endorsed |
|----------------------|--------------|------------|--|--------------|--------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09646               | Reducing Tee | KemPress®  | 32MM X 32MM X 15MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN32 x DN32 x DN15 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09647               | Reducing Tee | KemPress®  | 32MM X 32MM X 20MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN32 x DN32 x DN20 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09648               | Reducing Tee | KemPress®  | 40MM X 40MM X 20MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN40 x DN40 x DN20 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09649               | Reducing Tee | KemPress®  | 40MM X 40MM X 25MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN40 x DN40 x DN25 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09650               | Reducing Tee | KemPress®  | 50MM X 50MM X 20MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN50 x DN50 x DN20 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09651               | Reducing Tee | KemPress®  | 50MM X 50MM X 25MM<br>KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee | DN50 x DN50 x DN25 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09744               | Reducer      | KemPress®  | 65MM X 32MM<br>KEMPRESS COPPER REDUCER GAS             | Reducer      | DN65 x DN32        | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09745               | Reducer      | KemPress®  | 65MM X 40MM<br>KEMPRESS COPPER REDUCER GAS             | Reducer      | DN65 x DN40        | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09747               | Reducer      | KemPress®  | 80MM X 40MM<br>KEMPRESS COPPER REDUCER GAS             | Reducer      | DN80 x DN40        | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09748               | Reducer      | KemPress®  | 80MM X 50MM<br>KEMPRESS COPPER REDUCER GAS             | Reducer      | DN80 x DN50        | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09749               | Reducer      | KemPress®  | 80MM X 65MM<br>KEMPRESS COPPER REDUCER GAS             | Reducer      | DN80 x DN65        | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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# SCHEDULE TO STANDARDSMARK LICENCE

| Model Identification | Model Name          | Brand Name | Product Description                                   | Product Type        | Nominal Size (DN) | End Connection Designation | Material Designation | Maximum Operating Temperature (° C) | Maximum Operating Pressure (kPa) | Date Endorsed |
|----------------------|---------------------|------------|---|---------------------|-------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09750               | Reducer             | KemPress®  | 100MM X 50MM KEMPRESS COPPER REDUCER GAS              | Reducer             | DN100 x DN50      | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09751               | Reducer             | KemPress®  | 100MM X 65MM KEMPRESS COPPER REDUCER GAS              | Reducer             | DN100 x DN65      | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09752               | Reducer             | KemPress®  | 100MM X 80MM KEMPRESS COPPER REDUCER GAS              | Reducer             | DN100 x DN80      | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09753               | 90 Degree Elbow M+F | KemPress®  | 65MM X 65MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS   | 90 Degree Elbow M+F | DN65 x DN65       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09754               | 90 Degree Elbow M+F | KemPress®  | 80MM X 80MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS   | 90 Degree Elbow M+F | DN80 x DN80       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09755               | 90 Degree Elbow M+F | KemPress®  | 100MM X 100MM KEMPRESS COPPER ELBOW 90 DEGREE M+F GAS | 90 Degree Elbow M+F | DN100 x DN100     | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09780               | Connector           | KemPress®  | 65MM KEMPRESS COPPER CONNECTOR GAS                    | Connector           | DN65 x DN65       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09781               | Connector           | KemPress®  | 80MM KEMPRESS COPPER CONNECTOR GAS                    | Connector           | DN80 x DN80       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09782               | Connector           | KemPress®  | 100MM KEMPRESS COPPER CONNECTOR GAS                   | Connector           | DN100 x DN100     | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09783               | Slip Connector      | KemPress®  | 65MM KEMPRESS COPPER CONNECTOR SLIP GAS               | Slip Connector      | DN65 x DN65       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09784               | Slip Connector      | KemPress®  | 80MM KEMPRESS COPPER CONNECTOR SLIP GAS               | Slip Connector      | DN80 x DN80       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09785               | Slip Connector      | KemPress®  | 100MM KEMPRESS COPPER CONNECTOR SLIP GAS              | Slip Connector      | DN100 x DN100     | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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| Model Identification | Model Name      | Brand Name | Product Description                             | Product Type    | Nominal Size (DN) | End Connection Designation | Material Designation | Maximum Operating Temperature (° C) | Maximum Operating Pressure (kPa) | Date Endorsed |
|----------------------|-----------------|------------|---|-----------------|-------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09786               | Reducer         | KemPress®  | 65MM X 50MM KEMPRESS COPPER REDUCER GAS         | Reducer         | DN65 x DN50       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09787               | Reducer M+F     | KemPress®  | 65MM X 40MM KEMPRESS COPPER REDUCER M+F GAS     | Reducer M+F     | DN65 x DN40       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09788               | Reducer M+F     | KemPress®  | 65MM X 50MM KEMPRESS COPPER REDUCER M+F GAS     | Reducer M+F     | DN65 x DN50       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09789               | Reducer M+F     | KemPress®  | 80MM X 40MM KEMPRESS COPPER REDUCER M+F GAS     | Reducer M+F     | DN80 x DN40       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09790               | Reducer M+F     | KemPress®  | 80MM X 50MM KEMPRESS COPPER REDUCER M+F GAS     | Reducer M+F     | DN80 x DN50       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09791               | Reducer M+F     | KemPress®  | 80MM X 65MM KEMPRESS COPPER REDUCER M+F GAS     | Reducer M+F     | DN80 x DN65       | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09792               | Reducer M+F     | KemPress®  | 100MM X 50MM KEMPRESS COPPER REDUCER M+F GAS    | Reducer M+F     | DN100 x DN50      | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09793               | Reducer M+F     | KemPress®  | 100MM X 65MM KEMPRESS COPPER REDUCER M+F GAS    | Reducer M+F     | DN100 x DN65      | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09794               | Reducer M+F     | KemPress®  | 100MM X 80MM KEMPRESS COPPER REDUCER M+F GAS    | Reducer M+F     | DN100 x DN80      | M+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09795               | 45 Degree Elbow | KemPress®  | 65MM X 65MM KEMPRESS COPPER ELBOW 45 DEGREE GAS | 45 Degree Elbow | DN65 x DN65       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09796               | 45 Degree Elbow | KemPress®  | 80MM X 80MM KEMPRESS COPPER ELBOW 45 DEGREE GAS | 45 Degree Elbow | DN80 x DN80       | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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|----------------------|-----------------|------------|---|-----------------|-----------------------|----------------------------|----------------------|-------------------------------------|----------------------------------|---------------|
| J09797               | 45 Degree Elbow | KemPress®  | 100MM X 100MM KEMPRESS COPPER ELBOW 45 DEGREE GAS     | 45 Degree Elbow | DN100 x DN100         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09798               | 90 Degree Elbow | KemPress®  | 65MM X 65MM KEMPRESS COPPER ELBOW 90 DEGREE GAS       | 90 Degree Elbow | DN65 x DN65           | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09799               | 90 Degree Elbow | KemPress®  | 80MM X 80MM KEMPRESS COPPER ELBOW 90 DEGREE GAS       | 90 Degree Elbow | DN80 x DN80           | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09800               | 90 Degree Elbow | KemPress®  | 100MM X 100MM KEMPRESS COPPER ELBOW 90 DEGREE GAS     | 90 Degree Elbow | DN100 x DN100         | F+F                        | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09801               | Equal Tee       | KemPress®  | 65MM KEMPRESS COPPER TEE EQUAL GAS                    | Equal Tee       | DN65 x DN65 x DN65    | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09802               | Equal Tee       | KemPress®  | 80MM KEMPRESS COPPER TEE EQUAL GAS                    | Equal Tee       | DN80 x DN80 x DN80    | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09803               | Equal Tee       | KemPress®  | 100MM KEMPRESS COPPER TEE EQUAL GAS                   | Equal Tee       | DN100 x DN100 x DN100 | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09804               | Reducing Tee    | KemPress®  | 65MM X 65MM X 50MM KEMPRESS COPPER TEE REDUCING GAS   | Reducing Tee    | DN65 x DN65 x DN50    | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09805               | Reducing Tee    | KemPress®  | 80MM X 80MM X 50MM KEMPRESS COPPER TEE REDUCING GAS   | Reducing Tee    | DN80 x DN80 x DN50    | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09806               | Reducing Tee    | KemPress®  | 80MM X 80MM X 65MM KEMPRESS COPPER TEE REDUCING GAS   | Reducing Tee    | DN80 x DN80 x DN65    | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |
| J09807               | Reducing Tee    | KemPress®  | 100MM X 100MM X 50MM KEMPRESS COPPER TEE REDUCING GAS | Reducing Tee    | DN100 x DN100 x DN50  | F+F+F                      | Copper               | 70                                  | 200                              | 6 Dec 2018    |

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|----------------------|--------------------------|------------|--|--------------------------|----------------------|----------------------------|----------------------|------------------------------------|----------------------------------|---------------|
| J09808               | Reducing Tee             | KemPress®  | 100MM X 100MM X 65MM KEMPRESS COPPER TEE REDUCING GAS                      | Reducing Tee             | DN100 x DN100 x DN65 | F+F+F                      | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09809               | Reducing Tee             | KemPress®  | 100MM X 100MM X 80MM KEMPRESS COPPER TEE REDUCING GAS                      | Reducing Tee             | DN100 x DN100 x DN80 | F+F+F                      | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09810               | End Cap                  | KemPress®  | 65MM KEMPRESS COPPER END CAP GAS   | End Cap                  | DN65                 | F+F Threaded End           | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09811               | End Cap                  | KemPress®  | 80MM KEMPRESS COPPER END CAP GAS   | End Cap                  | DN80                 | F+F Threaded End           | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09812               | End Cap                  | KemPress®  | 100MM KEMPRESS COPPER END CAP GAS  | End Cap                  | DN100                | F+F Threaded End           | Copper               | 70                                 | 200                              | 6 Dec 2018    |
| J09817               | 90 Degree Threaded Elbow | KemPress®  | 15 X 1/2" BSP KEMPRESS SILICONE BRONZE THREADED ELBOW 90 DEGREE FEMALE GAS | 90 Degree Threaded Elbow | DN15 x 1/2" BSP      | F+F Threaded End           | Gunmetal Bronze      | 70                                 | 200                              | 6 Dec 2018    |
| J09818               | 90 Degree Threaded Elbow | KemPress®  | 20 X 3/4" BSP KEMPRESS SILICONE BRONZE THREADED ELBOW 90 DEGREE FEMALE GAS | 90 Degree Threaded Elbow | DN20 x 3/4" BSP      | F+F Threaded End           | Gunmetal Bronze      | 70                                 | 200                              | 6 Dec 2018    |
| J09819               | 90 Degree Threaded Elbow | KemPress®  | 15 X 1/2" BSP KEMPRESS SILICONE BRONZE THREADED ELBOW 90 DEGREE MALE GAS   | 90 Degree Threaded Elbow | DN15 x 1/2" BSP      | F+M Threaded End           | Gunmetal Bronze      | 70                                 | 200                              | 6 Dec 2018    |
| J09820               | 90 Degree Threaded Elbow | KemPress®  | 20 X 3/4" BSP KEMPRESS SILICONE BRONZE THREADED ELBOW 90 DEGREE MALE GAS   | 90 Degree Threaded Elbow | DN20 x 3/4" BSP      | F+M Threaded End           | Gunmetal Bronze      | 70                                 | 200                              | 6 Dec 2018    |

**End of Record**

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