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Maplef General Supplier

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Canada

Pressure Equipment Directive 2014/68/EU (PED)

Applicability and Classification / Categorization Evaluation for

Gate Valves MV40-1231, MV40-1138, MV40-1102, MV40-1112, MV40-1153, MV40-1211, MV40-1225, MV40-1232X, MV40-1225X, MV40-1235X, MV40-1138.LS, MV40-1138.RS

Globe Valves MV50-1118, MV50-1211

Ball Valves MV10-11228, MV10-11228EXT, MV10-1126, MV10-1128Y, MV10-11229, MV10-11240

Butterfly Valves MV20-121, MV20-211, MV20-111, MV20-125, MV20-135, MV20-221, MV20-225, MV20-235, MV20-241, MV20-241U, MV20-321, MV20-441

Check Valves MV30-117, MV30-221, MV30-225, MV30-311, MV30-411, MV30-412, MV30-1401, MV30-1455, MV30-1407, MV30-311-LW, MV30-4407, MV30-14301, MV30-311AC

Strainers MV70-116, MV70-125, MV70-211, MV70-225, MV70-231, MV70-291, MV70-16301

Double Regulating Valves MV60-161, MV60-221, MV60-222, MV60-221B, MV60-223, MV60-223B, MV60-311, MV60-354

Flexible Connectors MV600-1, MV600-1.CR, MV600-3, MV600-4, MV600-4.CR, MV600-5, MV600-5B, MV600-6, MV600-7, MV600-7.CR, MV600-8.CR

Pressure Items MV60-175, MV90-211, MV700-1, MV700-2, MV700-2D, MV450-1, MV210-12, MV210-11, MV200-11, MV130-5, MV130-5L, MV110-112, MV110-112D

Connect FCU, ML-CFCU-15/20/25/32-A/B/C

Pressure Reducing Valve MV80-116, MV80-120

Dear Saad,

The pressure items from Maplef General Supplier identified as MV40-1231, MV40-1138, MV40-1102, MV40-1112, MV40-1153, MV40-1211, MV40-1225, MV40-1232X, MV40-1225X, MV40-1235X, MV40-1138.LS, MV40-1138.RS, MV50-1118, MV50-1211, MV10-11228, MV10-11228EXT, MV10-1126, MV10-1128Y, MV10-11229, MV10-11240, MV20-121, MV20-211, MV20-111, MV20-125, MV20-135, MV20-221, MV20-225, MV20-235, MV20-241, MV20-241U, MV20-321, MV20-441, MV30-117, MV30-221, MV30-225, MV30-



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311, MV30-411, MV30-412, MV30-1401, MV30-1455, MV30-1407, MV30-311-LW, MV30-4407, MV30-14301, MV30-311AC, MV70-116, MV70-125, MV70-211, MV70-225, MV70-231, MV70-291, MV70-16301, MV60-161, MV60-221, MV60-222, MV60-221B, MV60-223, MV60-223B, MV60-311, MV60-354, MV600-1, MV600-1.CR, MV600-3, MV600-4, MV600-4.CR, MV600-5, MV600-5B, MV600-6, MV600-7, MV600-7.CR, MV600-8.CR, MV60-175, MV90-211, MV700-1, MV700-2, MV700-2D, MV450-1, MV210-12, MV210-11, MV200-11, MV130-5, MV130-5L, MV110-112, MV110-112D, ML-CFCU-15/20/25/32-A/B/C, MV80-116, MV80-120 have been assessed for applicability of the Pressure Equipment Directive 2014/68/EU and categorized.

According to the information provided by Maplef General Supplier in the data sheets, the items are only to be operated when filled completely with a liquid (whose vapor pressure at the maximum allowable temperature is greater than 0.5 bar above normal atmospheric pressure) of fluid group 2 per the definition in Article 13 of 2014/68/EU. Maximum allowable pressure is identified as 10/16/20/25/40 bar for the above mentioned pressure items. The nominal diameters of the items are identified as up to 1200mm.

Based on the information provided by the manufacturer, the above mentioned items identified as MV40-1231, MV40-1138, MV40-1102, MV40-1112, MV40-1153, MV40-1211, MV40-1225, MV40-1232X, MV40-1225X, MV40-1235X, MV40-1138.LS, MV40-1138.RS, MV50-1118, MV50-1211, MV10-11228, MV10-11228EXT, MV10-1126, MV10-1128Y, MV10-11229, MV10-11240, MV20-121, MV20-211, MV20-111, MV20-125, MV20-135, MV20-221, MV20-225, MV20-235, MV20-241, MV20-241U, MV20-321, MV20-441, MV30-117, MV30-221, MV30-225, MV30-311, MV30-411, MV30-412, MV30-1401, MV30-1455, MV30-1407, MV30-311-LW, MV30-4407, MV30-14301, MV30-311AC, MV70-116, MV70-125, MV70-211, MV70-225, MV70-231, MV70-291, MV70-16301, MV60-161, MV60-221, MV60-222, MV60-221B, MV60-223, MV60-223B, MV60-311, MV60-354, MV600-1, MV600-1.CR, MV600-3, MV600-4, MV600-4.CR, MV600-5, MV600-5B, MV600-6, MV600-7, MV600-7.CR, MV600-8.CR, MV60-175, MV90-211, MV700-1, MV700-2, MV700-2D, MV450-1, MV210-12, MV210-11, MV200-11, MV130-5, MV130-5L, MV110-112, MV110-112D, ML-CFCU-15/20/25/32-A/B/C, MV80-116, MV80-120 are subject to the Pressure Equipment Directive 2014/68/EU with classification of the liquid fluids in group 2 of Article 13 of 2014/68/EU and do fall under Article 4(3) up to the size of 100mm for 40 bar, of 200mm for 25bar, and 300mm for 16bar and above 200mm/300mm under Category I of the Pressure Equipment Directive 2014/68/EU.

The Maplef General Supplier items MV40-1231, MV40-1138, MV40-1102, MV40-1112, MV40-1153, MV40-1211, MV40-1225, MV40-1232X, MV40-1225X, MV40-1235X, MV40-1138.LS, MV40-1138.RS, MV50-1118, MV50-1211, MV10-11228, MV10-11228EXT, MV10-1126, MV10-1128Y, MV10-11229, MV10-11240, MV20-121, MV20-211, MV20-111, MV20-125, MV20-135, MV20-221, MV20-225, MV20-235, MV20-241, MV20-241U, MV20-321, MV20-441, MV30-117, MV30-221, MV30-225, MV30-311, MV30-411, MV30-412, MV30-1401, MV30-1455, MV30-1407, MV30-311-LW, MV30-4407, MV30-14301, MV30-311AC,



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MV70-116, MV70-125, MV70-211, MV70-225, MV70-231, MV70-291, MV70-16301, MV60-161, MV60-221, MV60-222, MV60-221B, MV60-223, MV60-223B, MV60-311, MV60-354, MV600-1, MV600-1.CR, MV600-3, MV600-4, MV600-4.CR, MV600-5, MV600-5B, MV600-6, MV600-7, MV600-7.CR, MV600-8.CR, MV60-175, MV90-211, MV700-1, MV700-2, MV700-2D, MV450-1, MV210-12, MV210-11, MV200-11, MV130-5, MV130-5L, MV110-112, MV110-112D, ML-CFCU-15/20/25/32-A/B/C, MV80-116, MV80-120 up to 100mm for 40bar, 200mm for 25bar, and 300mm for 16bar must be designed and manufactured in accordance with the Sound Engineering Practice of a Member State of the European Community to ensure safe use and above 200mm for 25bar and 300mm for 16bar must be designed and manufactured acc. to Module A including the essential safety requirements of Annex I.

They must be accompanied by adequate instructions for use and must bear markings to permit identification of the manufacturer or of its authorized representative established within the European Community. Article 6(7) identifies that Manufacturers shall ensure, the pressure equipment or assemblies are accompanied by instructions and safety information in a language which can be easily understood by consumers and other users, as determined by the Member State. Such instructions and safety information shall be clear, understandable, and intelligible.

If you have any further questions, please do not hesitate to contact us.

Best regards,

A handwritten signature in blue ink that reads 'Thomas Huettnner'.

Thomas Huettnner
Head of Mechanical Engineering
TÜV SÜD Industrie Service GmbH
Industry Service
TÜV SÜD America, Inc.