

# The Plastic Range for corrosive or high purity media

The main feature of the Plastic Range is that all contact materials are in corrosion resistant plastics such as PP, PTFE or PEEK. Following are four typical examples, but these are by no means the end of possible combinations which can be specified by reference to the material descriptions on pages 17 to 21.

## Stream Applications

For vacuum duty a modified sealing must be used, suffix to range code is 220, e.g. A 201 220 00. This must be specified in the purchase order. The vacuum sealing unit is capable of operating to 0 bar absolute pressure.

Process application areas: chemical engineering, electrowinning, food industry, etc.



**A 201 00**

### For general use in PP

Normal pressure	PP 10	max. 10 bar up to 20°C
		max. 1.0 bar at 20°C
		max. 0.1 bar at 20°C
Operating temperature	0 to 20°C	
Storage temperature	0 to 20°C	
Density of liquid	max. 1.2 kg/liter	
Operating differential	max. 1.2 bar	
Flow restriction	see page 21	
Wetted material	PP	
Flange material	cast part, PP Composite Range, PVC	
Seal housing material	the water resistant die cast aluminium	
Flange	DN 80, PN 10 to GHS 2000	
Flange lining	flanged face type 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	
Seal housing	aluminium alloy	
Endcap	aluminium alloy	
Weight	approx. 1.0 kg	



**A 204 00**

### For high temperature and corrosive application in PTFE

Normal pressure	PP 10	max. 10 bar up to 20°C
		max. 1.0 bar at 20°C
		max. 0.1 bar at 20°C
Operating temperature	0 to 20°C	
Storage temperature	0 to 20°C	
Density of liquid	max. 1.2 kg/liter	
Operating differential	max. 1.2 bar	
Flow restriction	see page 21	
Wetted material	PTFE	
Flange material	cast part, PTFE 2000 GMP Composite Range, PTFE, 2000 epoxy-resin, carbon reinforced the water resistant die cast aluminium	
Seal housing material	the water resistant die cast aluminium	
Flange	DN 80, PN 10 to GHS 2000	
Flange lining	flanged face type 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	
Seal housing	aluminium alloy	
Endcap	aluminium alloy	
Weight	approx. 0.8 kg	