



MCP-Detector-Types

Plates & Assemblies

GIDS-GmbH offers MCP's as spare parts and MCP detectors according to different specifications.

To order MCP's, MCP stacks, MCP assemblies with metal anode or phosphor screen please use the following scheme.

Quality Diameter					
Quality diameter 09 mm		MCP-09			
Quality diameter 12 mm		MCP-12			
Quality diameter 14 mm		MCP-14			
Quality diameter 18 mm		MCP-18			
Quality diameter 25 mm		MCP-25			
Quality diameter 45 mm		MCP-45			
Quality diameter 77 mm		MCP-77			
No. of MCP's mounted					
	Single		-1		
	Double (Chevron)		-2		
	Triple (Z-stack)		-3		
MCP Aspect Ratio					
	40:1		-40		
	60:1		-60		
Anode Type					
	Metal Anode (TOF) Wide Version			-MW	
	Metal Anode (TOF) Narrow Version			-MN	
	Phosphor screen Wide Version			-PW	
	Phosphor screen Narrow Version			-PN	
	Phosphor Types P22, P43, P46, P47 (other types on request)				
Options					
	Flange mounted (precise CF100, CF63 or others)				-FM
	Viewport mounted (precise CF100, CF63 or others)				-VM

In addition you may specify the required quality grade of the MCP's. We are able to offer you MCP's in image and detection grade. In general the MCP's in assemblies with phosphor screen are of image grade type and in assemblies with metal anode the MCP's are of detection grade type.



For example:

MCP-45-2-60-P43W-CF100

MCP Detector with

MCP Active diameter	= 45 mm
Chevron setup	= 2 MCP's
Aspect ratio	= 60:1
Anode Type	= P43 phosphor screen on glass
Assembly Type:	= Wide version
Option	= Mounted on CF100 flange with viewport

MCP-77-3-40-MN-CF160

MCP Detector with

MCP Active diameter	= 77 mm
Chevron setup	= 3 MCP's
Aspect ratio	= 40:1
Anode Type	= Metal anode
Assembly Type:	= Narrow version
Option	= Mounted on CF160 flange

If you would like to order MCP's as spare part for the detector specified in the example please use only the first 3 value's together with the required channel diameter

MCP-45-2-60-12

MCP set with

Active diameter	= 45 mm
Chevron setup	= 2 MCP's
Aspect ratio	= 60:1
Channel	= 12 µm