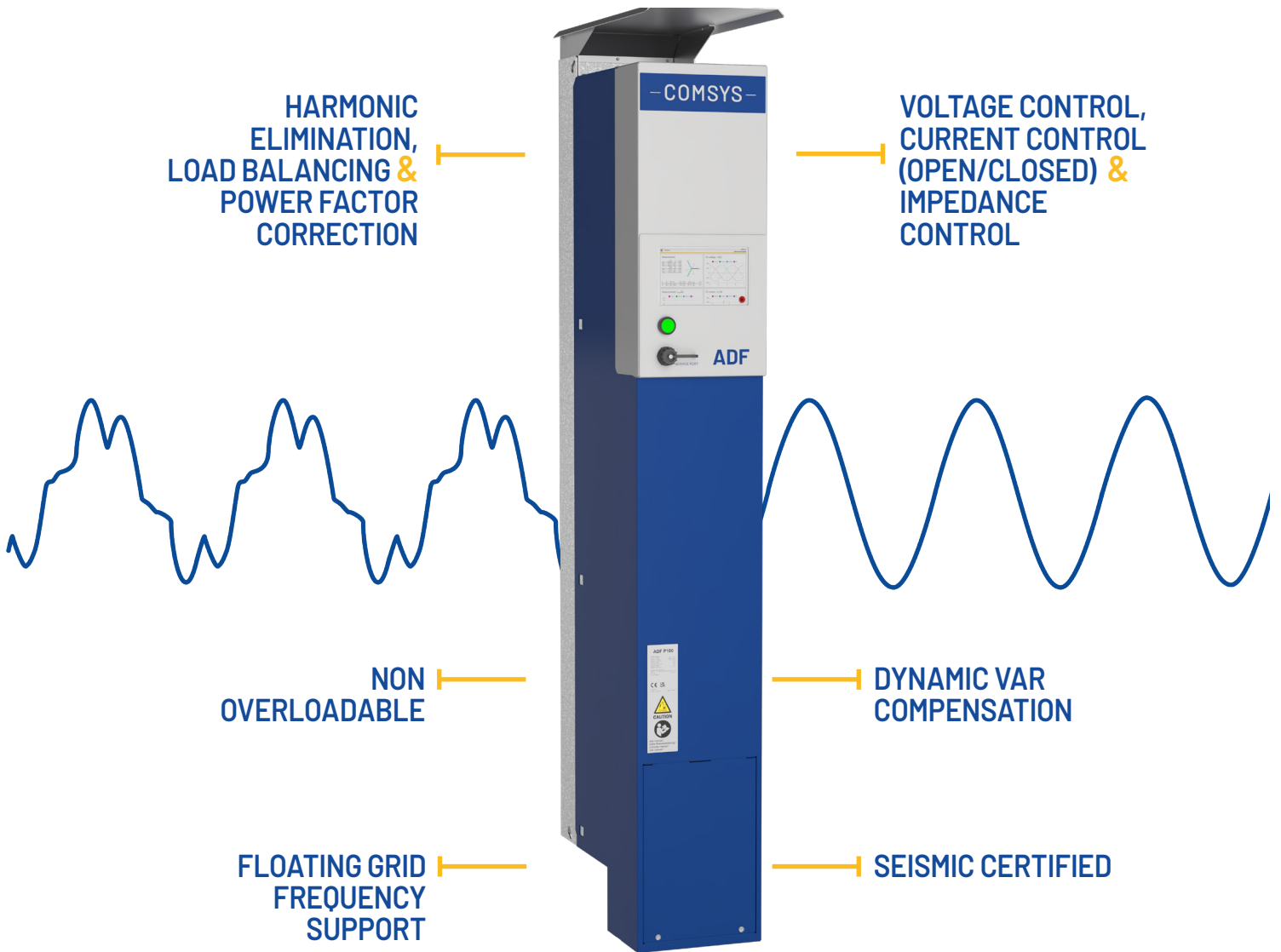


# ACTIVE DYNAMIC FILTER

## ADF P100 G4

480 V: 50, 75, 100, 125 A



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# TECHNICAL SPECIFICATION - ADF P100 G4

MODEL	ADF P100-50/480	ADF P100-75/480	ADF P100-100/480	ADF P100-125/480
RATED POWER(400 / 480 V)	35 / 42 kVA	52 / 62 kVA	69 / 83 kVA	87 / 104 kVA
RATED CURRENT	50 A <sub>RMS</sub>	75 A <sub>RMS</sub>	100 A <sub>RMS</sub>	125 A <sub>RMS</sub>
SYSTEM VOLTAGE	480 V (208 – 480 V) ± 10 %			
NOMINAL FREQUENCY	50/60 Hz ±10%			
NUMBER OF PHASES	3 phase 3 wire			
NETWORK CONFIGURATION	TN, TT, IT (Without earthed phase)			
EQUIPMENT CLASS	Class I			
DECISIVE VOLTAGE CLASS	DVC C			
HARMONIC COMPENSATION	Individual compensation up to 49 <sup>th</sup> order			
RATE OF HARMONIC REDUCTION	Better than 98 %			
COMPENSATION OF COS φ	Up to 1.0			
EXPANDABILITY	Up to 15 ADF P100 G4 units can be used in parallel			
RESPONSE TIME	< 1 ms			
HEAT DISSIPATION	≤ 1330 W	≤ 1900 W	≤ 2590 W	≤ 3360 W
AIR FLOW	600 m <sup>3</sup> /h [353 CFM]			
INCLUDES FUSES	Optional			
NOISE LEVEL	72.6 dB(A)			
DIMENSIONS(W × H × D)	243 × 1567 × 487 mm [9,54 x 61,7 x 19,18 inch]			
WEIGHT	110 kg [242.5 lbs]			
ENCLOSURE COLOR	Cabinet RAL 7035 (light grey), base RAL 5017 (traffic blue)			
ENCLOSURE PROTECTION	Without roof : IP20 / UL Open type With roof: IP21 / UL Type 1			
OPERATION ENVIRONMENTAL CONDITIONS	Ambient temperature: 0 to 50 C°, up to 40 C° [32 to 122 F°, up to 104 F°] without derating Relative humidity: 0 to 95% RH non-condensing Altitude: 1000 m [3281 ft] without derating. Max altitude 4000 m [13123 ft].			
POLLUTION DEGREE	2 (IEC 62477-1)			
OVERVOLTAGE CATEGORY	III			
VIBRATION	2-13 Hz ± 1 mm 13,2-100 Hz ± 0,7 g (IEC 60068-2-6, Fc Sinusoidal)			
SEISMIC COMPLIANCE	CBC, IBC, ASCE7 (ICC-ES AC156)			
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A			
APPROVALS	CE, DNV*, UL508/CSA22.2*			

\*TBA

Comsys AB does not assume any responsibility for use of any product or method described and also reserves the right to make changes at any time without prior notice in order to improve design and supply the best possible products.

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# THE ADF PRODUCT RANGE

The ADF product range consists of versatile tools to address your unique power quality challenges in a way that is cost efficient.

For extreme resonances and interharmonics, to a powerful solution for a compact space, each ADF product targets different power levels in commercial and industrial applications in the low and medium voltage segments.



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