PRINZ®
PUMPS & PACKAGED SYSTEMS MANUFACTURING COMPANY

ROTARY VANE PUMPS

CN > PETROCHEMICAL

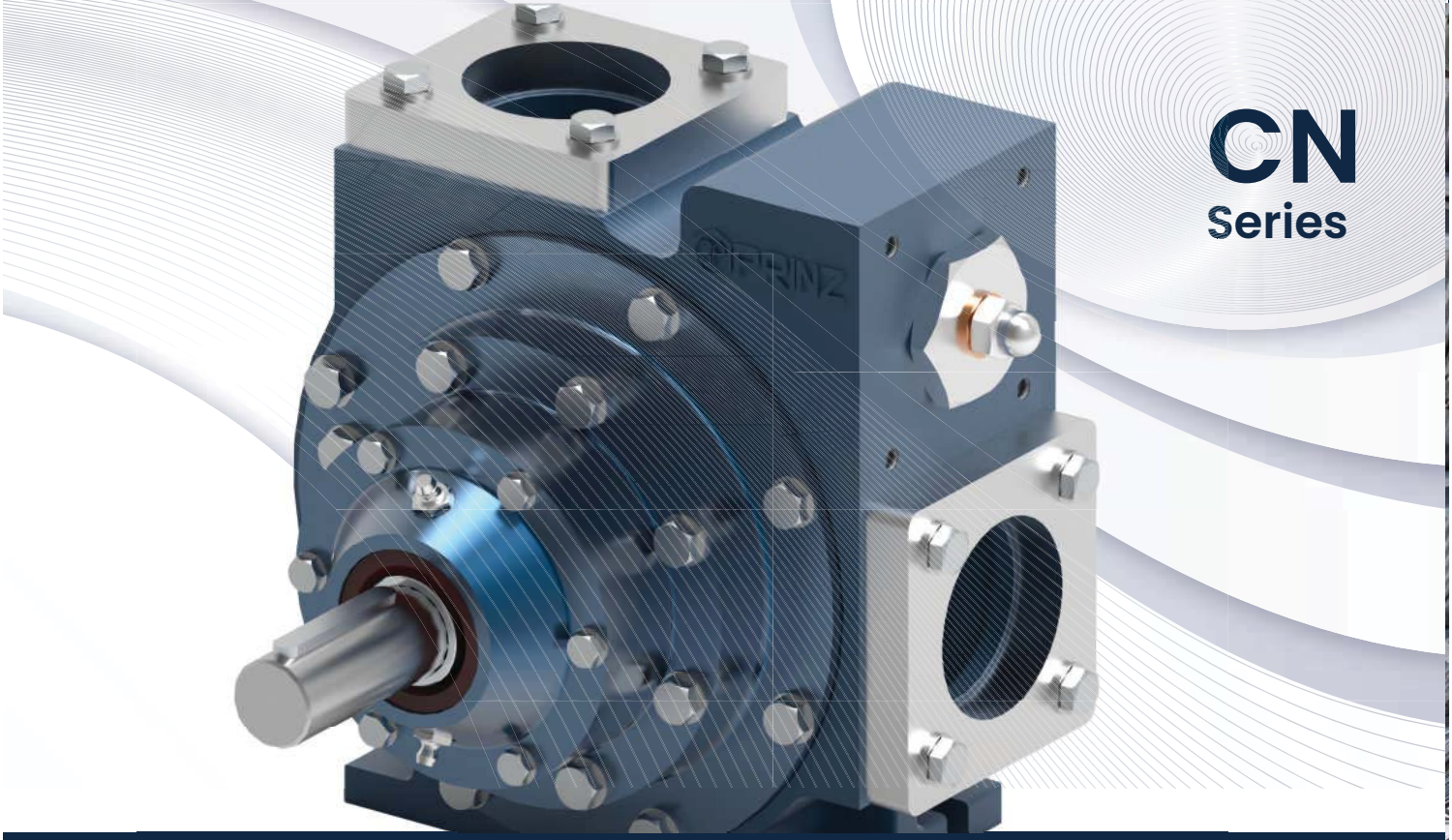
CP > HIGH PRESSURE

MX > ATEX FUEL STATIONS



CALDER

CN/CP/MX
SERIES
Rev. 1.0a



CN
Series

CN Series

Low viscosity and volatile, light fluids

CP Series

High Pressure Rotary Vane Pumps



CP
Series

CN Series Pumps are used in petrochemical applications like:
- Refineries
- Terminals
- Tank Farms
- Chemical plants

CN Series

Light and Medium Hydrocarbons, Fuels / Biofuels and Chemicals:
Gasoline, Diesel, Naphta, Jet Fuel, Kerosene, Fuel Oil,
Biofuels, Fatty Acids, Solvents, Chemicals

CN SERIES MODELS AVAILABLE					
Model	CN30	CN40	CN50	CN60	CN70
Suction flange	1" 1/2	2"	2" 1/2	3"	4"
Discharge flange	1" 1/2	2"	2" 1/2	3"	4"
Viscosity range	0,8/4000	0,8/4000	0,8/4000	0,8/4000	0,8/4000
Max rotation speed	1100	780	780	620	520
Flow rate (@ 1100 rpm / 3 cst)	12				
Flow rate (@ 780 rpm / 3 cst)	8	20	35		
Flow rate (@ 620 rpm / 3 cst)	6	15	26	60	
Flow rate (@ 520 rpm / 3 cst)	5	12	21	49	120
Max differential pressure [barg]	8	8	8	7	7
Max casing pressure [barg]	15	10	10	10	10

High Pressure Rotary Vane Pumps
Up to 600 cst - Up to 14,5 bar differential pressure

CP Series

Electric Motor operated:
Hydraulic or Pneumatic drive, PTO take off driven options are available

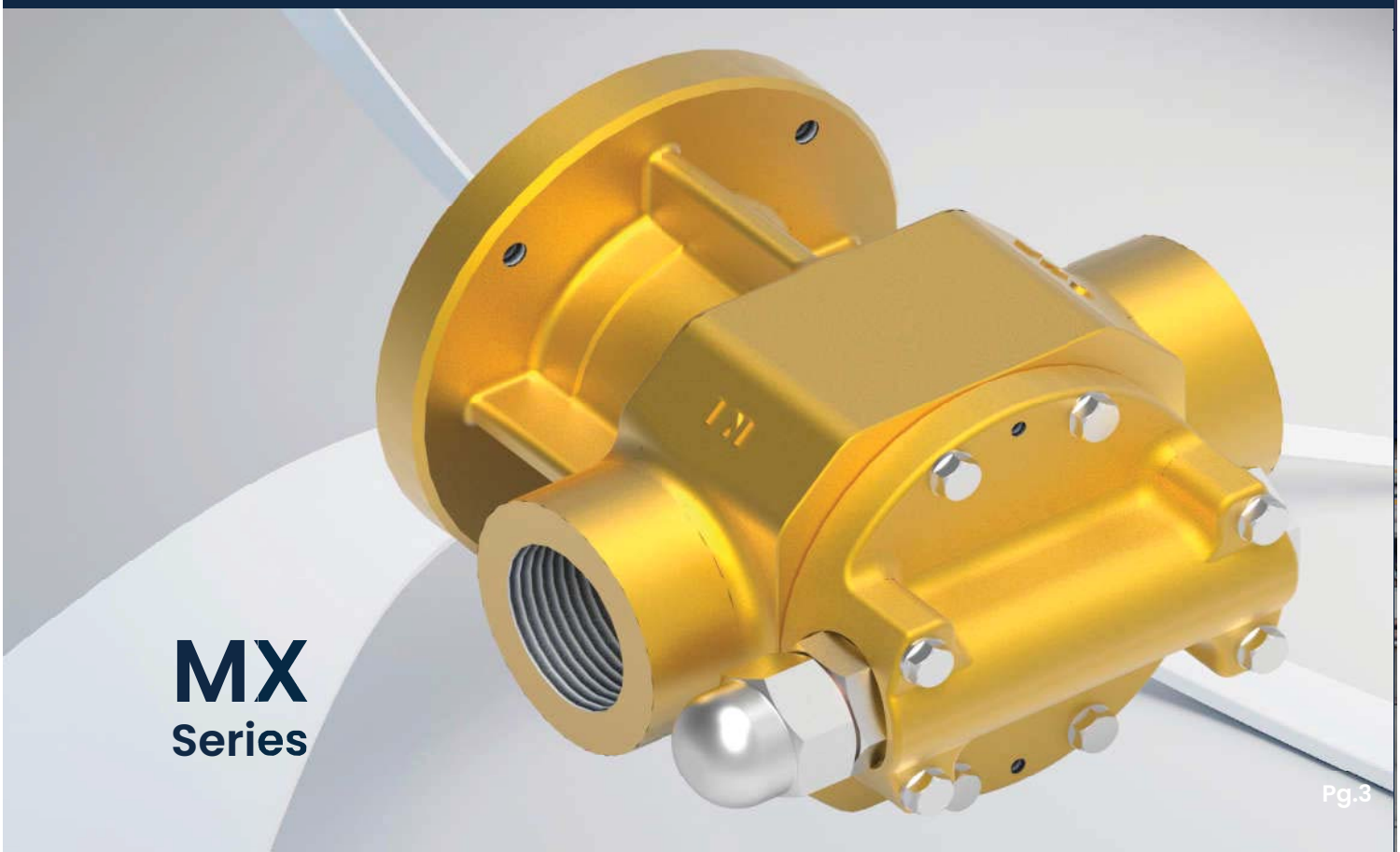
Fluids pumped:
Light and Medium Hydrocarbons, Fuels / Biofuels and Chemicals:
Gasoline, Diesel, Naphta, Jet Fuel, Kerosene, Fuel Oil,
Biofuels, Fatty Acids, Solvents, Chemicals

CP SERIES MODELS AVAILABLE				
CP Series Pump Model	CP30	CP40	CP50	CP60
Suction flange	1" 1/2 ANSI 150	2" ANSI 150	2" 1/2 ANSI 150	3" ANSI 150
Discharge flange	1" 1/2 ANSI 150	2" ANSI 150	2" 1/2 ANSI 150	3" ANSI 150
Viscosity range	1/500	1/500	1/500	1/500
Max rotation speed	980	780	780	655
Flow rate (@ 1100 rpm / 3 cst)	7,9			
Flow rate (@ 780 rpm / 3 cst)	5,3	16	35	
Flow rate (@ 620 rpm / 3 cst)	4,2	12	26,4	57
Flow rate (@ 520 rpm / 3 cst)	3,5	10,2	22,2	45
Max differential pressure [barg]	14,6	14,6	14,6	14,6
Max casing pressure [barg]	20	20	20	20



MX Series

ATEX Zone 1 Execution Rotary Vane Pumps for Fuel Stations



ATEX Zone 1 Execution Rotary Vane Pumps for Fuel Stations and fuel delivery trucks
Up to 4 barg delivery pressure
Up tp 10 cSt
Flow rates up to 2400 lph at 3 barg.

24VDC/230 or 400 AC Electric Motor available; Hydraulic motor on request
Connection ports: threaded

MX Series

Fluids Pumped:
Light Hydrocarbons and Biofuels:
Gasoline, Diesel, Naphta, Jet Fuel, Biofuels, Fatty Acids, Solvents

MX SERIES MODEL AVAILABLE		
MX Series Pump Model	MX20	MX25
Suction flange	1" 1/4	1" 1/2
Discharge flange	1" 1/4	1" 1/2
Viscosity range	1/10 cst	1/10 cst
Max rotation speed	1500	1500
Flow rate (@1500 rpm / 3 cst)	2,4	4,5
Max differential pressure [barg]	4	4
Max casing pressure [barg]	8	8





3P PRINZ®
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