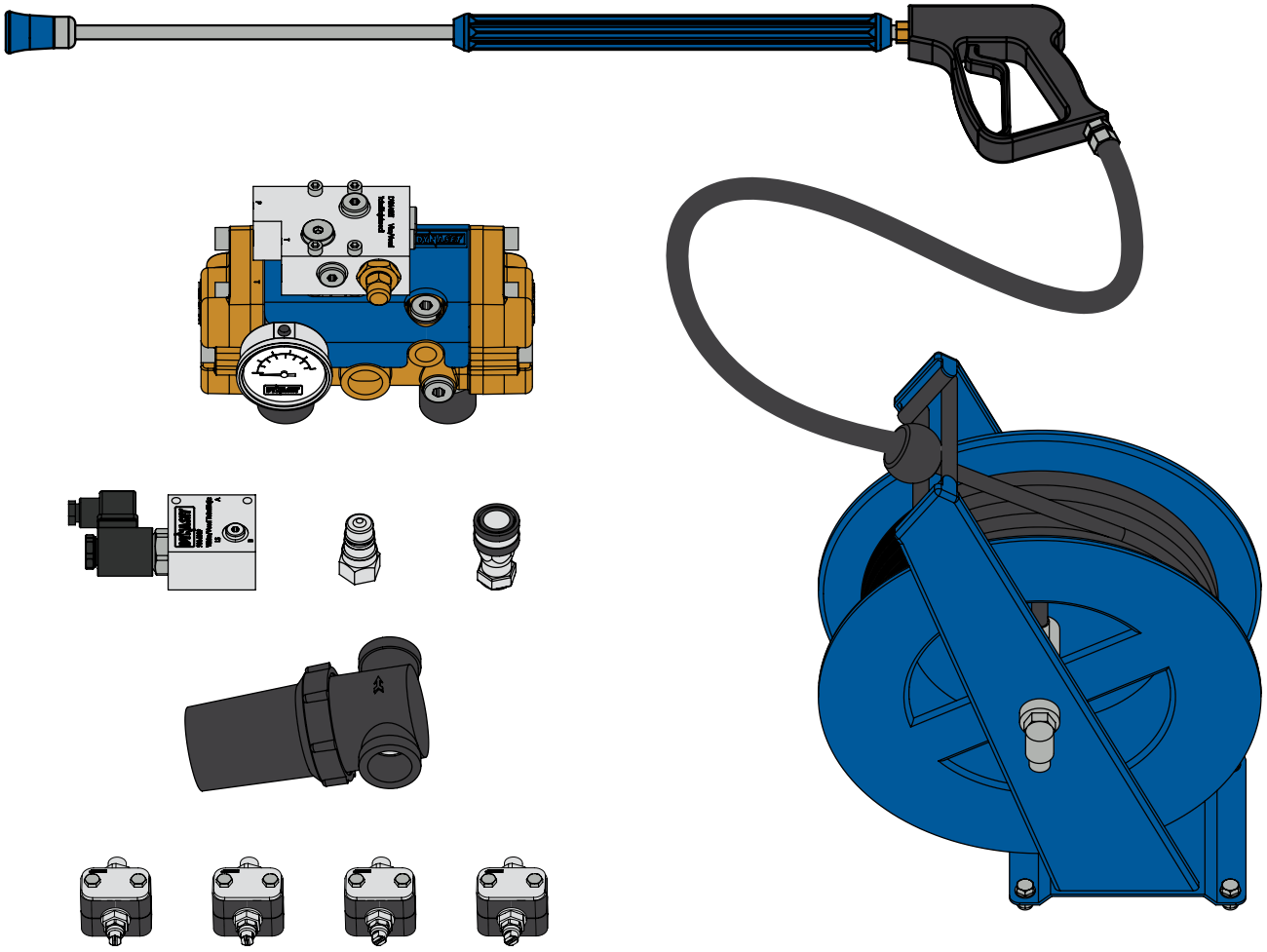
DYNASET

POWERED BY HYDRAULICS



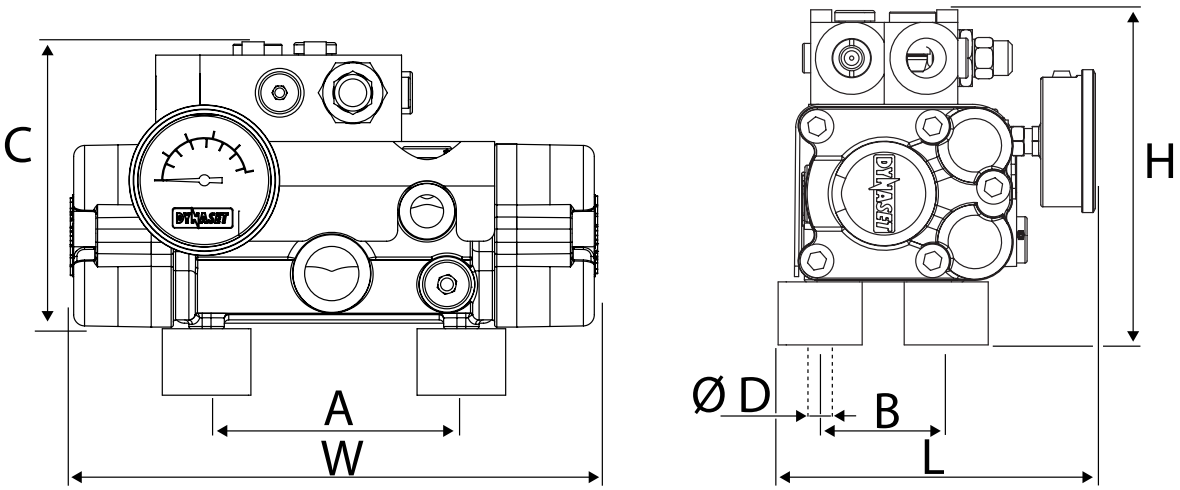
DATA SHEET

HIGH PRESSURE DUST SUPPRESSION SYSTEM

11/21
rev 1.5

HPW160 Dust for Sweeper
HPW250 Dust for Excavator
HPW250 Dust for Excavator - Double Dust
HPW220 Dust for Excavator - Double Dust
HPW90 Dust for Excavator
HPW90 Dust for Excavator - Double Dust
HPW250 Dust for Crusher - One Conveyor
HPW250 Dust for Crusher - Two Conveyors
HPW250 Dust for Crusher - Three Conveyors

DIMENSIONS (HPW PUMP)



Model	DIMENSIONS, mm (in)							WEIGHT
	L	W	H	A	B	C	D	kg (lbs)
HPW 250	167 (6.6)	238 (9.4)	160 (6.3)	115 (4.5)	60 (2.4)	129 (5)	M8	11 (24.3)
HPW 220	151 (5.9)	280 (11.0)	224 (8.8)	126 (4.7)	106 (4.2)	194 (7.6)	M8	18 (39.6)
HPW 160	210 (8.2)	100 (3.9)	110 (4.3)	74 (2.9)	64 (2.5)	100 (3.9)	M6	6.2 (13.6)
HPW 90	175 (6.9)	345 (13.6)	250 (9.8)	252 (9.9)	95 (3.7)	250 (9.8)	M10	31 (68.3)

CONNECTIONS

		HPW 250	HPW 220	HPW 160	HPW 90
HYDRAULIC CONNECTIONS					
Pressure line (female)	P	1/2”	3/4”	3/8"	3/4”
Return line (male)	T	1/2”	3/4”	3/8"	3/4”
ELECTRIC CONNECTIONS					
Electric connectors (solenoid valve)		DIN 43650-A			
WATER CONNECTIONS					
Water input	S	3/4”	1”	3/4"	2"
Water output	WP	3/8"	1/2"	3/8"	1"

OPTIONS:

- Hose Reel with 20m hose
- Additional Nozzles
- Water tank (1000l)
- Strainer

PARAMETERS

		HPW250 Dust For Crusher - One Conveyor	HPW220 Dust For Crusher - Two Conveyors	HPW220 Dust For Crusher - Three Conveyors	HPW250 Dust For Excavator	HPW250 Dust For Excavator - Double Dust	HPW220 Dust for Excavator - Double Dust
WATER POWER							
Basic flow @ recommended pressure	**l/min (gpm)**	26,6	34,6	42,6	21,2	10,6	21,2
High Power flow @ recommended pressure	**l/min (gpm)**	-	-	-	-	21,2	42,4
Pressure recommended	**bar (psi)**	140 (2000)	140 (2000)	140 (2000)	140 (2000)	140 (2000)	140 (2000)
Pressure max	**bar (psi)**	250 (3625)	220 (3200)	220 (3200)	250 (3625)	250 (3625)	220 (3200)
Pump max. flow	**l/min (gpm)**	30 (7.9)	50 (13.2)	50 (13.2)	30 (7.9)	30 (7.9)	50 (13.2)
Nozzles (basic)	**pcs**	4	5	6	4	2	2
High power nozzles	**pcs**	-	-	-	-	2	2
WATER INTAKE REQUIREMENTS							
Recommended suction hose size	**in**	3/4"	1"	1"	3/4"	3/4"	1"
Suction filter flow min	**l/min (gpm)**	50 (13.2)	80 (21.1)	80 (21.1)	50 (13.2)	50 (13.2)	80 (21.1)
Recommended filter mesh		80 or better					
Suction head max	**m (ft)**	3 (9.8)					
Feed pressure	**bar (psi)**	-0,3...16 (-43.5...232)					
HYDRAULIC POWER REQUIREMENTS							
Oil flow max.	**l/min (gpm)**	40 (10.6)	70 (18.5)	70 (18.5)	40 (10.6)	40 (10.6)	70 (18.5)
Pressure max.	**bar (psi)**	210 (3000)	210 (3000)	210 (3000)	210 (3000)	210 (3000)	210 (3000)
HYDRAULIC CONNECTIONS							
Pressure line (female)	**P**	**1/2"**	3/4"	3/4"	**1/2"**	**1/2"**	3/4"
Return line (male)	**T**	**1/2"**	3/4"	3/4"	**1/2"**	**1/2"**	3/4"
HYDRAULIC FLUID REQUIREMENTS							
Viscosity	**cSt**	10-200 / optimum 25-35					
Temperature	**° C (° F)**	max. 70 (160)					
Filter ratio, recommendation	**µm**	25 or better					
Cooling capacity requirement	**kW**	2	3	3	2	2	3

		HPW90 Dust for Excavator	HPW90 Dust for Excavator - Double Dust	HPW160 Dust for Sweeper
WATER POWER				
Basic flow @ recommended pressure	**l/min (gpm)**	85	42,5	11,9
High Power flow @ recommended pressure	**l/min (gpm)**	-	85	-
Pressure recommended	**bar (psi)**	90 (1300)	90 (1300)	140 (2000)
Pressure max	**bar (psi)**	90 (1300)	90 (1300)	160 (2320)
Pump max. flow	**l/min (gpm)**	150 (39.6)	150 (39.6)	18 (4.8)
Nozzles (basic)	**pcs**	4	2	9
High power nozzles	**pcs**	-	2	-
WATER INTAKE REQUIREMENTS				
Recommended suction hose size	**in**	1"	1"	1/2"
Suction filter flow min	**l/min (gpm)**	80 (21.1)		
Recommended filter mesh		80 or better		
Suction head max	**m (ft)**	3 (9.8)		
Feed pressure	**bar (psi)**	-0,3...16 (-43.5...232)		
HYDRAULIC POWER REQUIREMENTS				
Oil flow max.	**l/min (gpm)**	85 (22.5)	85 (22.5)	18 (4.8)
Pressure max.	**bar (psi)**	210 (3000)	210 (3000)	210 (3000)
HYDRAULIC CONNECTIONS				
Pressure line (female)	**P**	3/4"	3/4"	3/8"
Return line (male)	**T**	3/4"	3/4"	3/8"
HYDRAULIC FLUID REQUIREMENTS				
Viscosity	**cSt**			
Temperature	**° C (° F)**			
Filter ratio, recommendation	**µm**			
Cooling capacity requirement	**kW**	4	4	1

DYNASET

POWERED BY HYDRAULICS

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ELECTRICITY
HG Hydraulic Generator
HGV POWER BOX Variable Hydraulic Generator System
HGV Variable Hydraulic Generator System
HWG Hydraulic Welding Generator
HGG Hydraulic Ground Power Generator

HIGH PRESSURE WATER
HPW Hydraulic High Pressure Water Pump
HPW Hydraulic Power Washer
KPL High Pressure Street Washing Unit
HPW-DUST High Pressure Dust Suppression System
PPL High Pressure Pipe Cleaning Unit
HDF Hydraulic Drilling Fluid Pump
HPW-FIRE High Pressure Firefighting System
FP Firefighting Piercing Kit
JPL High Pressure Bin Washing System
HSP Hydraulic Submersible Pump

COMPRESSED AIR
HK Hydraulic Piston Compressor
HKR Hydraulic Screw Compressor
HKL Hydraulic Rotary Vane Compressor

VACUUM
HCF Hydraulic Centrifugal Fan
HRVB Hydraulic Recycling Vacuum Bucket

MAGNET POWER
HMG PRO Hydraulic Magnet Generator
MAG Lifting Magnet
HMAG PRO Hydraulic Magnet

VIBRATION
HVB Hydraulic Vibra
HVD Hydraulic Directional Vibra
HRC Hydraulic Reversal Cylinder

POWER BOOSTING
HPI Hydraulic Pressure Intensifier
HPIC Hydraulic Pressure Intensifier for Cylinder

KNOW-HOW
Hydraulic Power Take-off (PTO)
Installation Valves
HMV Hydraulic Modular Valve System
HHK Hydraulic Grinder
HV Hydraulic Winch & HVY Hydraulic Winch Unit
De-Icing Technology
HEU Hydraulic Expansion Unit
HPU Hydraulic Power Unit
HRU Hydraulic Rescue Unit

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