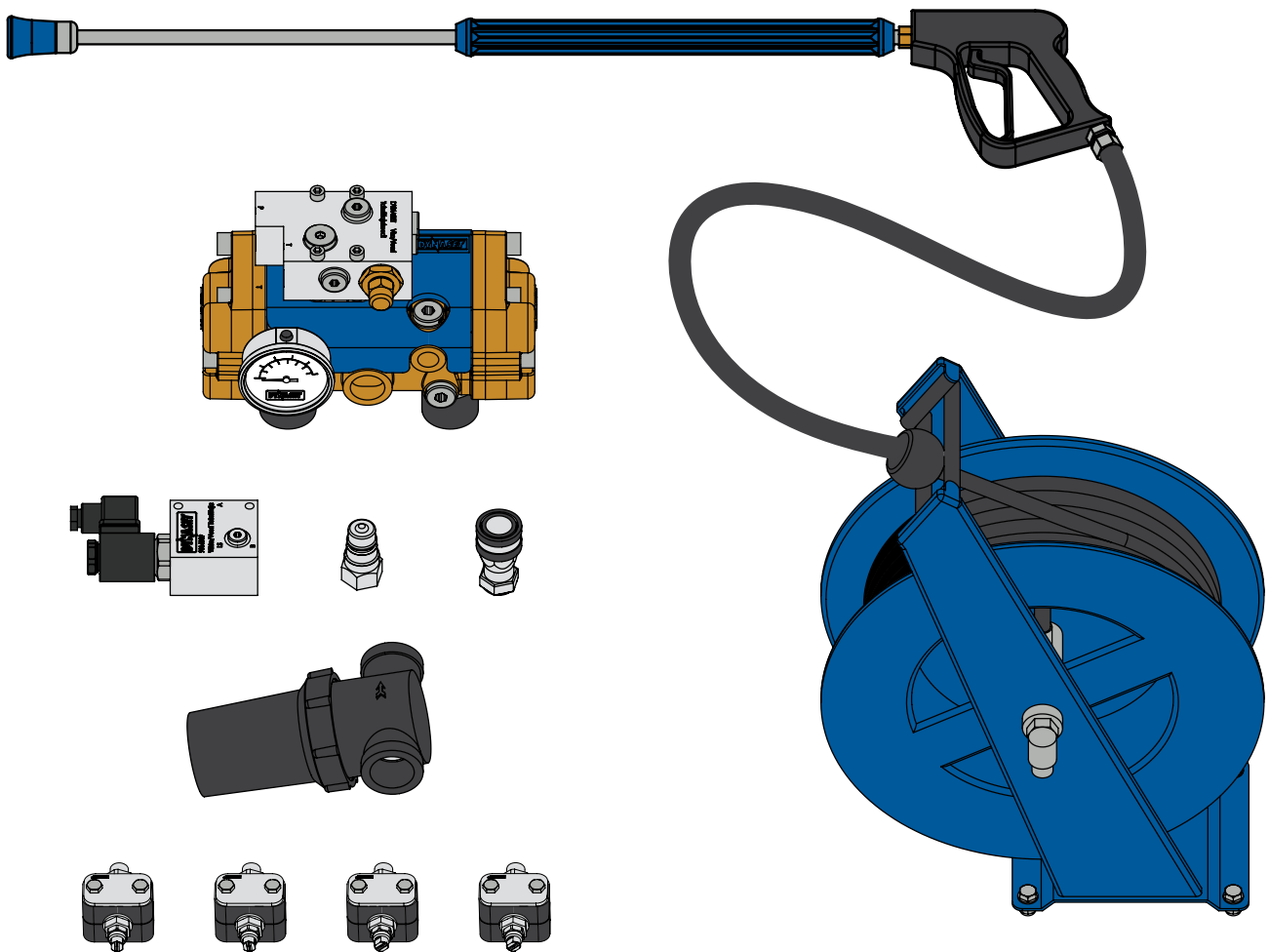


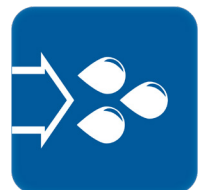
# DYNASET

POWERED BY HYDRAULICS



## DATA SHEET

### HIGH PRESSURE DUST SUPPRESSION SYSTEM

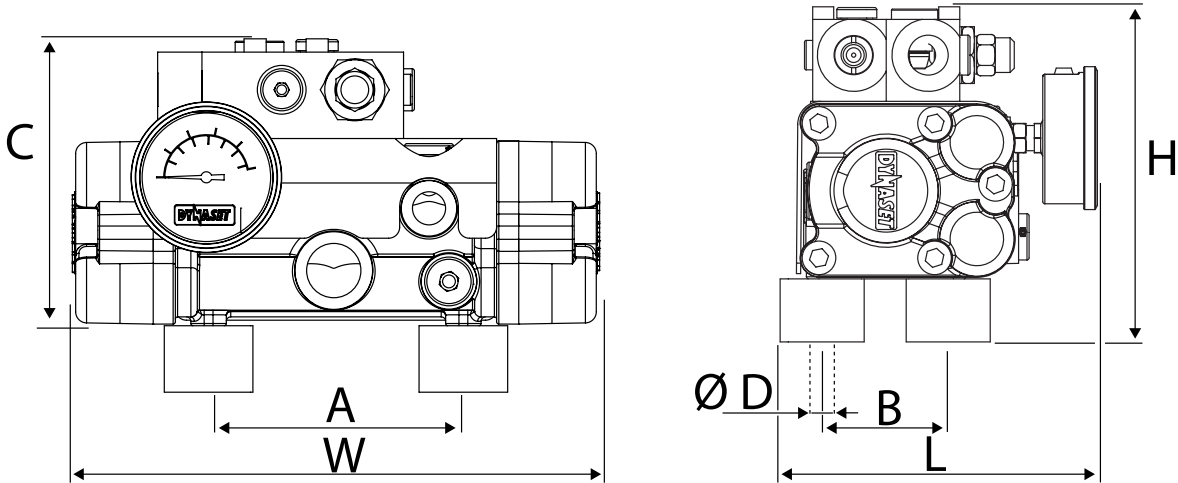


03/22  
rev 1.5

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 kg (lbs)
	L	W	H	A	B	C	D	
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
<b>HYDRAULIC CONNECTIONS</b>					
Pressure line (female)	P	1/2"	3/4"	3/8"	3/4"
Return line (male)	T	1/2"	3/4"	3/8"	3/4"
<b>ELECTRIC CONNECTIONS</b>					
Electric connectors (solenoid valve)	DIN 43650-A				
<b>WATER CONNECTIONS</b>					
Water input	S	3/4"	1"	3/4"	2"
Water output	WP	3/8"	1/2"	3/8"	1"

### OPTIONS:

- Additional Nozzles
- Water tank (1000l)



# HIGH PRESSURE DUST SUPPRESSION

## DATA SHEET

---

### 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
<b>WATER POWER</b>							
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
<b>WATER INTAKE REQUIREMENTS</b>							
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)					
<b>HYDRAULIC POWER REQUIREMENTS</b>							
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)
<b>HYDRAULIC CONNECTIONS</b>							
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"
<b>HYDRAULIC FLUID REQUIREMENTS</b>							
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
<b>WATER POWER</b>				
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	-
<b>WATER INTAKE REQUIREMENTS</b>				
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)		
<b>HYDRAULIC POWER REQUIREMENTS</b>				
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)
<b>HYDRAULIC CONNECTIONS</b>				
Pressure line (female)	P	3/4"	3/4"	3/8"
Return line (male)	T	3/4"	3/4"	3/8"
<b>HYDRAULIC FLUID REQUIREMENTS</b>				
Viscosity	cSt			
Temperature	° C (° F)			
Filter ratio, recommendation	µm			
Cooling capacity requirement	kW	4	4	1



Menotie 3  
FI-33470 Ylöjärvi, Finland  
tel: +358 3 3488 200  
info@dynaset.com



#### 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

[www.dynaset.com](http://www.dynaset.com)

